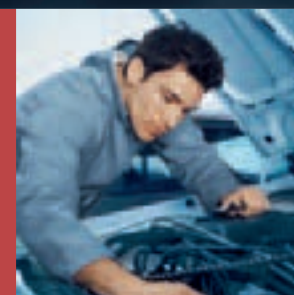


Inclusive light
commercial vehicles
and trucks



Accessories



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editions.



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Application	B 2	Ignition-cables



Part-number overview

Lighting Technology

		Type	
0 305 002 001	Rallye 225	A28	
0 305 055 001	Compact 100	A31	
0 305 406 001	Pilot 150	A30	
0 305 406 002	Pilot 150	A30	
0 305 406 101	Pilot 150	A30	
0 305 406 105	Pilot 150	A30	
0 305 603 001	Pilot 160	A29	
0 305 603 002	Pilot 160	A29	
0 306 003 001	Rallye 225	A17	
0 306 003 002	Rallye 225	A17	
0 306 003 003	Rallye 225	A17	
0 306 003 006	Rallye 225	A17	
0 306 003 007	Rallye 225	A17	
0 306 003 008	Rallye 225	A17	
0 306 003 009	Rallye 225	A17	
0 306 055 001	Compact 100	A22	
0 306 080 003	Profi 210	A56	
0 306 382 001	Kiruna 140	A57	
0 306 407 001	Pilot 150	A21	
0 306 407 101	Pilot 150	A21	
0 306 407 901	Pilot 150	A21	
0 306 481 001	Pilot 140	A49	
0 306 481 002	Pilot 140	A49	
0 306 481 003	Pilot 140	A50	
0 306 481 004	Pilot 140	A49	
0 306 482 001	Pilot 145	A51	
0 306 482 003	Pilot 145	A51	
0 306 482 010	Pilot 145	A51	
0 306 484 001	Pilot 150	A52	
0 306 484 002	Pilot 150	A52	
0 306 606 001	Pilot 160	A20	
0 306 606 901	Pilot 160	A20	
0 306 680 001	Pilot 160	A54	
0 332 019 150	Relay	A18	
0 986 310 208	Control unit Rallye 175	A18	
0 986 310 209	Control unit Pilot X	A55	
0 986 310 211	Control unit Pilot X	A55	
0 986 310 530	Compass	A23	
0 986 310 533	Rallye 175 Halogen	A19	
0 986 310 534	Rallye 175 Halogen	A19	
0 986 310 537	Profi 210	A24	
0 986 310 538	Profi 210	A24	
0 986 310 539	Profi 210	A32	
0 986 310 674	Rallye 175 Xenon	A18	
0 986 310 675	Pilot X	A55	
0 986 310 676	Pilot X	A55	
0 986 310 677	Pilot X	A55	
0 986 310 678	Pilot X	A55	
0 986 310 930	Pilot 100	A46	
0 986 310 931	Pilot 100	A46	
0 986 310 932	Pilot 100	A46	
0 986 310 933	Pilot 100	A46	
0 986 310 934	Pilot 155 Double Beam	A53	
0 986 310 935	Pilot 155 Double Beam	A53	
0 986 310 936	Pilot 135 Single Beam	A47	

	Type	
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0 986 310 939	Pilot 135 Double Beam	A48
0 986 310 940	R-1000-F	A41
0 986 310 941	O-2000-F	A42
0 986 310 942	S-1500-F	A43
0 986 310 943	S-2250-C	A45
0 986 310 945	S-2250-F	A44
0 986 310 945	S-1000-C	A45
0 986 310 946	S-1000-F	A44
0 986 310 950	Pilot 175	A15
0 986 310 951	Pilot 175	A15
0 986 310 952	Pilot 225	A16
0 986 310 953	Pilot 225	A16
0 986 310 960	LED 135	A40
0 986 310 961	LED 135	A40
0 986 310 970	Rallye 225 Highlight ECE	A12
0 986 310 971	Rallye 225 Highlight ECE	A12
0 986 310 972	Rallye 225 Highlight Pencil Beam	A13
0 986 310 973	Rallye 225 Highlight Pencil Beam	A13
0 986 310 974	Rallye 225 Highlight Xenon ECE	A14
0 986 310 975	Rallye 225 Highlight Xenon ECE	A14
0 986 310 976	Rallye 225 Highlight Xenon ECE	A14
0 986 310 977	Rallye 225 Highlight Xenon ECE	A14
0 986 310 980	Light-Star ECE	A10
0 986 310 981	Light-Star ECE	A10
0 986 310 982	Light-Star Pencil Beam	A11
0 986 310 983	Light-Star Pencil Beam	A11
0 986 310 984	Light-Star LED	A8
0 986 310 985	Light-Star LED	A8
0 986 310 986	Light-Star Xenon ECE	A9
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1 300 334 910	Unit Rallye 225	A17
1 300 516 018	Protective cap Rallye 225	A17, A28
1 300 591 053	Protective cap Profi 210	A24, A32
1 305 300 921	Unit Compact 100	A31
1 305 300 924	Unit Compact 100	A22
1 305 301 917	Unit Pilot 140	A50
1 305 301 918	Unit Pilot 140	A49
1 305 302 021	Unit Kiruna 140	A57
1 305 320 816	Unit Profi 210	A32
1 305 320 818	Unit Profi 210	A24
1 305 334 908	Unit Rallye 225	A17
1 305 334 911	Unit Rallye 225	A28
1 305 334 913	Unit Pilot 160	A29
1 305 334 914	Unit Pilot 160	A29
1 305 334 915	Unit Pilot 160	A20
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1 305 501 121	Protective cap Pilot 140	A49, A50

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1 305 540 101	Protective cap Pilot 145	A51
1 305 540 165	Protective cap Pilot 150	A21, A52
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1 307 022 236	Fastening bracket	A49, A50, A51, A52, A54, A56
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1 987 305 075	Unit Rallye 175	A19
1 987 305 076	Unit Rallye 175	A18
1 987 305 079	Reflector Pilot X	A55
1 987 305 108	Lens Pilot X	A55
1 987 305 109	Cable Pilot X	A55
1 987 305 110	Protective cap Pilot 175	A15
1 987 305 111	Protective cap Pilot 225	A16
1 987 305 112	Unit Pilot 175	A15
1 987 305 113	Unit Pilot 225	A16
1 987 305 114	Unit Pilot 175	A15
1 987 305 115	Unit Pilot 225	A16
1 987 305 118	Unit Rallye 225 Highlight	A12
1 987 305 119	Unit Rallye 225 Highlight	A12
1 987 305 120	Unit Rallye 225 Highlight	A13
1 987 305 121	Unit Rallye 225 Highlight	A13
1 987 305 122	Unit Rallye 225 Highlight	A14
1 987 305 123	Unit Rallye 225 Highlight	A14
1 987 305 126	Unit Light Star	A10
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1 987 305 132	Unit Light Star	A9
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7 782 319 054	RSWA 100 Floodlight	A74
7 782 319 062	RSWF 100 Floodlight	A74
7 782 319 064	RSWF 100 Floodlight	A74
7 782 322 020	RKLE 200 B1 Rotating beacon	A67
7 782 322 021	RE-60 B Rotating beacon	A72
7 782 322 220	RKLE 200 B1 Rotating beacon	A67
7 782 322 420	RKLE 200 B1 Rotating beacon	A67
7 782 324 020	RKLE 200 B1 Rotating beacon	A67
7 782 324 021	RE-60 B Rotating beacon	A72
7 782 324 220	RKLE 200 B1 Rotating beacon	A67
7 782 324 420	RKLE 200 B1 Rotating beacon	A67
7 782 328 001	RKLE LED Compact A Rotating beacon	A62

	Type	
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7 782 328 003	RKLE LED Compact B Rotating beacon	A63
7 782 328 004	RKLE LED Compact B Rotating beacon	A63
7 782 328 005	RKLE LED Compact D Rotating beacon	A64
7 782 328 006	RKLE LED Compact D Rotating beacon	A64
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7 782 332 021	RE-60 A Rotating beacon	A70
7 782 332 022	RE-60 FLX Rotating beacon	A71
7 782 332 220	RKLE 200 A Rotating beacon	A66
7 782 332 420	RKLE 200 A Rotating beacon	A66
7 782 334 020	RKLE 200 A Rotating beacon	A66
7 782 334 021	RE-60 A Rotating beacon	A70
7 782 334 022	RE-60 FLX Rotating beacon	A71
7 782 334 220	RKLE 200 A Rotating beacon	A66
7 782 334 420	RKLE 200 A Rotating beacon	A66
7 782 362 020	RKLE 200 B2 Rotating beacon	A68
7 782 362 220	RKLE 200 B2 Rotating beacon	A68
7 782 362 420	RKLE 200 B2 Rotating beacon	A68
7 782 364 020	RKLE 200 B2 Rotating beacon	A68
7 782 364 220	RKLE 200 B2 Rotating beacon	A68
7 782 364 420	RKLE 200 B2 Rotating beacon	A68
7 782 372 020	RKLE 200 D Rotating beacon	A69
7 782 372 021	RE-60 D Rotating beacon	A73
7 782 372 220	RKLE 200 D Rotating beacon	A69
7 782 372 420	RKLE 200 D Rotating beacon	A69
7 782 374 020	RKLE 200 D Rotating beacon	A69
7 782 374 021	RE-60 D Rotating beacon	A73
7 782 374 220	RKLE 200 D Rotating beacon	A69
7 782 374 420	RKLE 200 D Rotating beacon	A69
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8 780 206 047	Rubber wedge RKLE 200 B1	A67, A76
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8 785 110 109	Plug-in base RKLE 200 B1	A67, A77
8 785 110 127	Intermediate flange RKLE 200 B1	A67
8 785 110 128	Intermediate flange RKLE 200 B2	A68
8 785 411 296	Caps RKLE 200 B1	A67, A69
8 785 411 297	Caps RKLE 200 B2	A68
8 785 510 170	Cover RSWA, RSWF	A74
8 785 520 004	Transmitter and holder RSWA, RSWF	A74
8 785 620 108	Reflector RKLE 200 A, B1, D	A66, A67, A69
8 785 620 110	Cover RKLE 200 A, B1, D	A66, A67, A69
8 785 620 111	Cover RKLE 200 A, B1, D	A66, A67, A69
8 785 620 112	Cover RKLE 200 A, B1, D	A66, A67, A69
8 785 620 200	Reflector RKLE 200 B2	A68

Lighting Technology (continued)

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Auxiliary lamps – Driving lamps

Range overview


A6/7/8/9
Light-Star – Driving lamp.

Extremely robust, corrosion-resistant, attractive stainless steel housing. Particularly suitable for the demands of SUV and commercial vehicles.


A10/11/12
Rallye 225 Highlight – Driving lamp.

Innovative, modern design with LED position light as standard. Extremely robust die-cast aluminum housing for passenger, commercial, emergency service and off-road vehicles.


A15/16/17
Rallye – Driving lamp.

Exceptionally high lighting efficiency thanks to large and deep reflector. Tried and tested in motor sport. Also available in Xenon technology and as a fog lamp.


A13/14
Pilot 175, 225 – Driving lamps.

Sporty halogen driving lamp with glass fiber-reinforced polyamide housing. Available in two different sizes.


A18/19
Pilot – Driving lamp.

Extra-flat housing. Specially designed for mounting on narrow bumpers. Version without mounting base is suitable for installation in spoiler or radiator grille. Also available as a fog lamp.


A20

Compact 100 – Small driving lamp with latest-generation lighting engineering and colorless lens. Ideally suited for integrated external fitting and flush fitting. Also available as a fog lamp.


A21
Compass – Driving lamp.

Compact and robust for more stringent requirements in commercial vehicles.


A22
Profi – Driving lamp.

Robust and resistant to vibration. Ideal for tough day-to-day use on commercial vehicles. Also available as a fog lamp.



Bosch auxiliary lamps

– for all types of vehicles and applications



Bosch supplies a comprehensive range

of auxiliary lamps for all vehicles. Choose outstanding quality, unique design and enhanced safety thanks to more light on the road. Bosch auxiliary lamps improve the standard lighting profile of your vehicle. This gives you better visibility and valuable extra time to react more quickly to changing traffic situations. These seconds can be critical for your safety.

Xenon or halogen

Some Bosch auxiliary lamps are already equipped with the latest Xenon gas discharge technology. Compared to a headlamp with a halogen bulb of the same size, this means up to three times more light. In addition, Xenon headlamps deliver a light color similar to daylight, improving driving comfort.

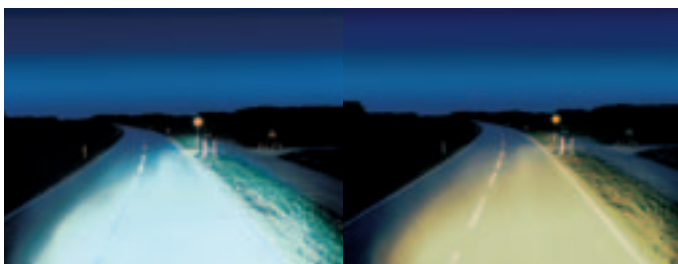
Which light do you prefer?

Bosch auxiliary lamps are available with two different light profiles. “Wide/long” for a normal light profile. “Narrow/long” for those who prefer longer but narrower illumination. The advantage of mounting multiple auxiliary lamps: The two light profiles can be combined to achieve maximum light yield. The wide/long light profiles have ECE approval.

Bosch is continuously advancing the technology in its auxiliary lamps. To adapt the additional lighting capacity for today's aerodynamic vehicles, exceptionally small and compact auxiliary lamps are needed. One result of this development is the Bosch Compact 100, which delivers up to 50 % more light compared to conventional ultra driving lamps of the same size. This is because the computer-designed reflector surface ensures more effective light distribution, illuminates the road more evenly and lights up the sides of the road better than conventional headlamps.

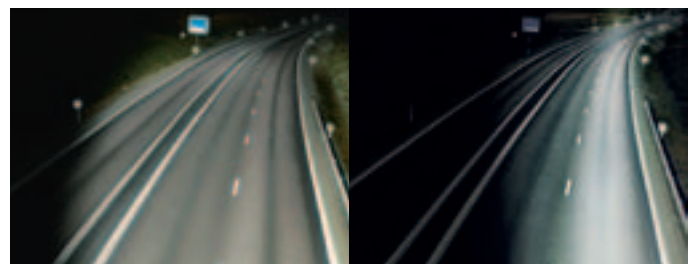
Xenon auxiliary lamps with gas discharge bulb

Halogen auxiliary lamps



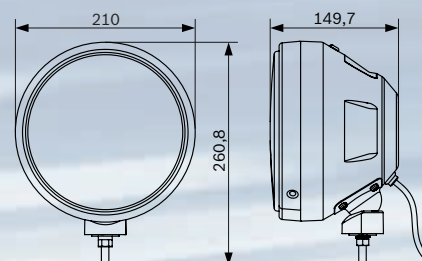
Wide/long light profile

Narrow/long light profile



Light-Star LED

Halogen/LED



Extremely robust, corrosion-resistant, attractive stainless steel housing. Particularly suitable for the demands of SUV and commercial vehicles. With the latest generation, high-power LED ring.

Headlamp housing

Stainless steel housing, polished.

Lens

Colorless or blue.

Attachment

With M10 threaded stud.

Mounting

Upright.

Scope of delivery

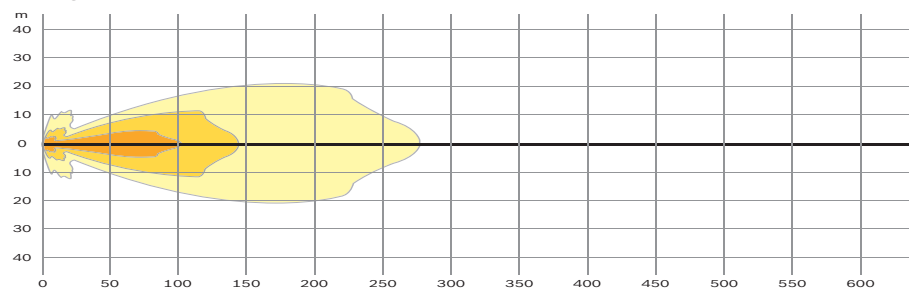
Headlamp, operating instructions, installation material.

Standard

ECE and SAE approval.

Driving lamp 12 V/55 W

Reference number: 17,5



Light-Star LED

ECE, colorless	0 986 310 984
ECE, blue	0 986 310 985¹⁾

Accessories and spare parts

Driving-lamp unit, ECE, colorless	1 987 305 130
Driving-lamp unit, ECE, blue	1 987 305 131¹⁾
Protective cap	1 987 305 134
Mounting set	1 987 305 137

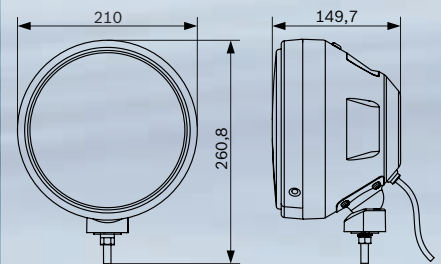
Type of bulb

H1	12 V/55 W	1 987 302 011
H1	24 V/70 W	1 987 302 411

¹⁾ Operate blue ECE version with colorless bulbs only, H1.

Light-Star Xenon ECE

Xenon



Extremely robust, corrosion-resistant, attractive stainless steel housing. Particularly suitable for the demands of SUV and commercial vehicles. With integral xenon control unit in the housing for greater reliability and convenience.

Headlamp housing

Stainless steel housing, polished.

Lens

Colorless.

Attachment

With M10 threaded stud.

Mounting

Upright.

Scope of delivery

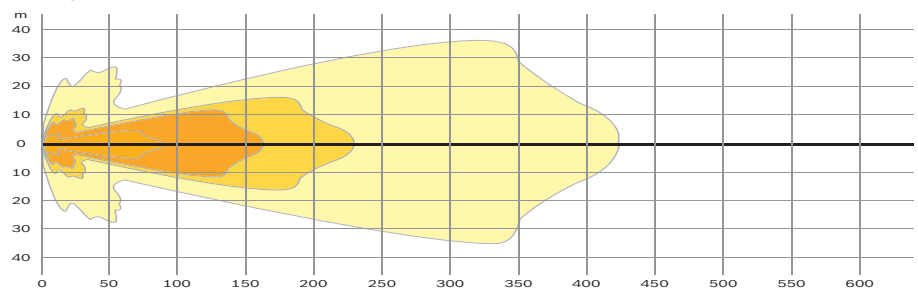
Headlamp, gas-discharge lamp D1S, control unit, complete cable connection set and marker lamp W5W, operating instructions, installation material.

Standard

ECE approval.

Driving lamp 12 V/35 W

Reference number: 37,5



Light-Star Xenon ECE

Xenon ECE, 12 V colorless **0 986 310 986¹⁾**

Xenon ECE, 24 V colorless **0 986 310 987¹⁾**

Accessories and spare parts

Driving-lamp unit, **1 987 305 132¹⁾**

Xenon ECE, colorless

Xenon-Controller 12 V **1 987 305 138**

Xenon-Controller 24 V **1 987 305 139**

Protective cap **1 987 305 134**

Mounting set **1 987 305 137**

Type of bulb

D1S 35 W **1 987 302 905**

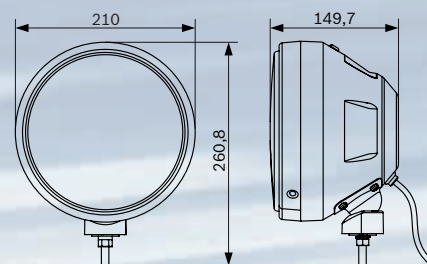
W5W 12 V/5 W **1 987 302 206**

W5W 24 V/5 W **1 987 302 518**

¹⁾ Observe legal regulations and safety instructions.

Light-Star ECE

Halogen



Extremely robust, corrosion-resistant, attractive stainless steel housing. Particularly suitable for the demands of SUV and commercial vehicles.

Headlamp housing

Stainless steel housing, polished.

Lens

Colorless or blue.

Attachment

With M10 threaded stud.

Mounting

Upright.

Scope of delivery

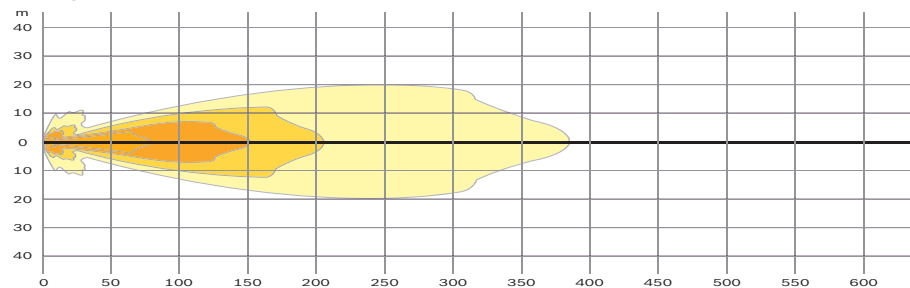
Headlamp, operating instructions, installation material.

Standard

ECE approval.

Driving lamp 12 V/55 W

Reference number: 37,5



Light-Stat ECE

ECE, colorless	0 986 310 980
ECE, blue	0 986 310 981¹⁾

Accessories and spare parts

Driving-lamp unit, ECE, colorless	1 987 305 126
Driving-lamp unit, ECE, blue	1 987 305 127¹⁾
Protective cap	1 987 305 134
Mounting set	1 987 305 137

Type of bulb

H1	12 V/55 W	1 987 302 011
H1	24 V/70 W	1 987 302 411
W5W	12 V/5 W	1 987 302 206
W5W	24 V/5 W	1 987 302 518

¹⁾ Operate blue ECE version with colorless bulbs only, H1.

Light-Star Pencil Beam

Halogen



Extremely robust, corrosion-resistant, attractive stainless steel housing. Particularly suitable for the demands of SUV and commercial vehicles.

Headlamp housing

Stainless steel housing, polished.

Lens

Colorless or blue.

Attachment

With M10 threaded stud.

Mounting

Upright.

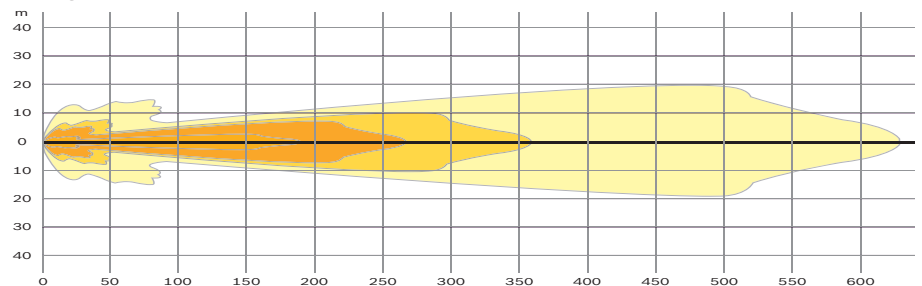
Scope of delivery

Headlamp, operating instructions, installation material.

Standard

Observe legal regulations and safety instructions.

Driving lamp 12 V/55 W



Light-Star Pencil Beam

Pencil Beam, colorless	0 986 310 982¹⁾
Pencil Beam, blue	0 986 310 983¹⁾

Accessories and spare parts

Driving-lamp unit, Pencil Beam, colorless	1 987 305 128¹⁾
Driving-lamp unit, Pencil Beam, blue	1 987 305 129¹⁾
Protective cap	1 987 305 134
Mounting set	1 987 305 137

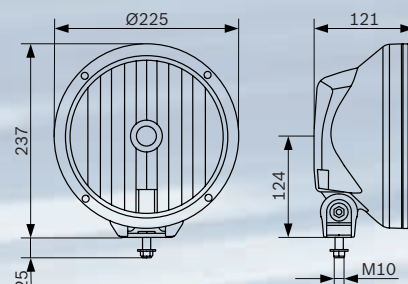
Type of bulb

H1	12 V/55 W	1 987 302 011
H1	24 V/70 W	1 987 302 411
W5W	12 V/5 W	1 987 302 206
W5W	24 V/5 W	1 987 302 518

¹⁾ Observe legal regulations and safety instructions.

Rallye 225 Highlight ECE

Halogen/LED



Elegant design for optimum light efficiency and added safety. With innovative LED position light as standard.

Headlamp housing

Extra robust die-cast aluminum housing.

Lens

Colorless or blue.

Attachment

With M10 threaded stud.

Mounting

Upright.

Scope of delivery

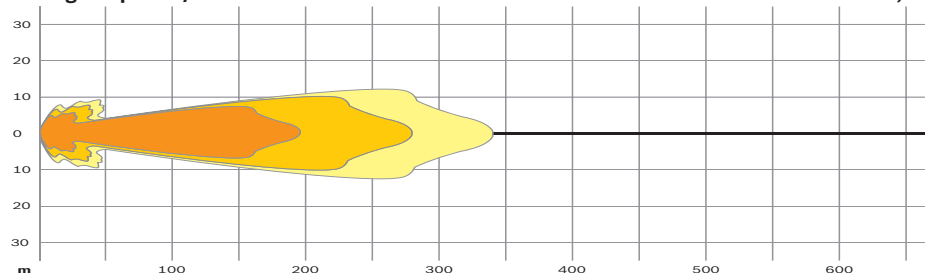
Headlamp, operating instructions, installation material.

Standard

ECE approval.

Driving lamp 12 V/55 W

Reference number: 37,5



Rallye 225 Highlight ECE

ECE, colorless	0 986 310 970
ECE, blue	0 986 310 971¹⁾

Accessories and spare parts

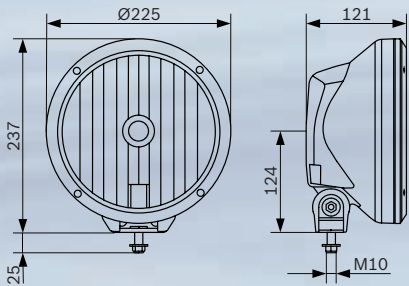
Driving-lamp unit, ECE colorless	1 987 305 118
Driving-lamp unit, ECE blue	1 987 305 119¹⁾

Type of bulb

H1	12 V/55 W	1 987 302 011
H1	24 V/70 W	1 987 302 411

¹⁾ Operate blue ECE version with colorless bulbs only, H1.

Rallye 225 Highlight Pencil Beam
Halogen/LED



Elegant design for optimum light efficiency and added safety. With innovative LED position light as standard.

Headlamp housing
Extra robust die-cast aluminum housing.

Lens
Colorless or blue.

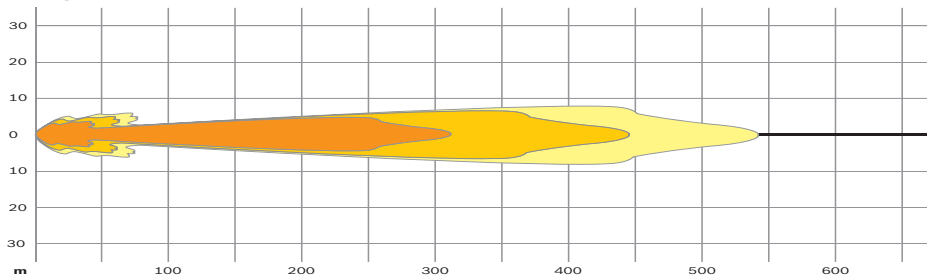
Attachment
With M10 threaded stud.

Mounting
Upright.

Scope of delivery
Headlamp, operating instructions, installation material.

Standard
Observe legal regulations and safety instructions.

Driving lamp 12 V/55 W



Rallye 225 Highlight Pencil Beam	
Pencil Beam, colorless	0 986 310 972¹⁾
Pencil Beam, blue	0 986 310 973¹⁾

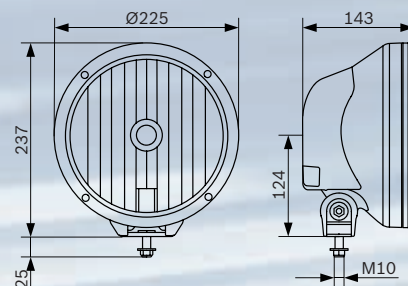
Accessories and spare parts	
Driving-lamp unit, Pencil Beam, colorless	1 987 305 120¹⁾
Driving-lamp unit, Pencil Beam, blue	1 987 305 121¹⁾

Type of bulb		
H1	12 V/55 W	1 987 302 011
H1	24 V/70 W	1 987 302 411

¹⁾ Observe legal regulations and safety instructions.

Rallye 225 Highlight Xenon ECE

Xenon/LED



Elegant design for optimum light efficiency and added safety. With innovative LED position light as standard.

Headlamp housing

Extra robust die-cast aluminum housing.

Lens

Colorless or blue.

Attachment

With M10 threaded stud.

Mounting

Upright.

Scope of delivery

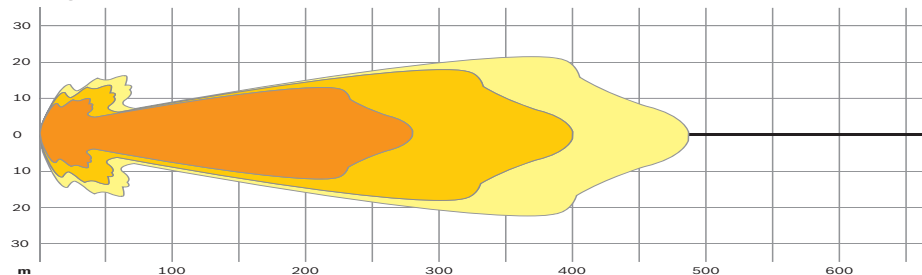
Headlamp, operating instructions, installation material.

Standard

ECE approval.

Driving lamp 12 V/35 W

Reference number: 45



Rallye 225 Highlight Xenon ECE

Xenon ECE, 12V, colorless **0 986 310 974¹⁾**

Xenon ECE, 12V, blue **0 986 310 975²⁾**

Xenon ECE, 24V, colorless **0 986 310 976¹⁾**

Xenon ECE, 24V, blue **0 986 310 977²⁾**

Accessories and spare parts

Driving-lamp unit, **1 987 305 122¹⁾**

Xenon ECE colorless

Driving-lamp unit, **1 987 305 123²⁾**

Xenon ECE blue

Type of bulb

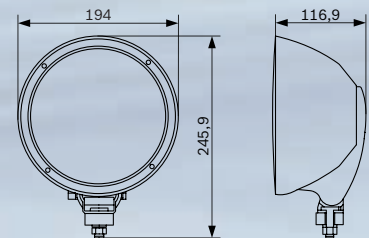
D1S 35 W **1 987 302 905**

¹⁾ Observe legal regulations and safety instructions.

²⁾ Operate blue ECE version with colorless bulbs only, D1S.

Pilot 175

Halogen



Modern design paired with safety.
The high-grade chrome ring is a real eye-catcher. The computer-calculated reflector guarantees maximum light efficiency.

Headlamp housing

Fiberglass reinforced impact-resistant polyamide housing, black.

Lens

Colorless or blue.

Attachment

With M10 threaded stud.

Mounting

Upright.

Scope of delivery

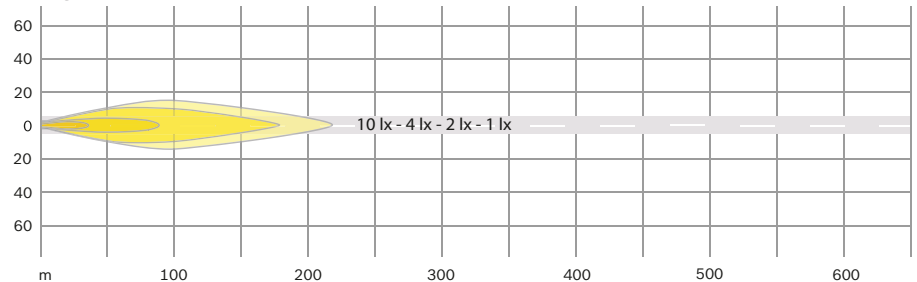
Headlamp, operating instructions, installation material.

Standard

ECE and SAE approval.

Driving lamp 12 V/55 W

Reference number: 17,5



Pilot 175

Colorless	0 986 310 950
Blue	0 986 310 951¹⁾

Accessories and spare parts

Driving-lamp unit, colorless	1 987 305 112
Driving-lamp unit, blue	1 987 305 114¹⁾
Protective cap	1 987 305 110

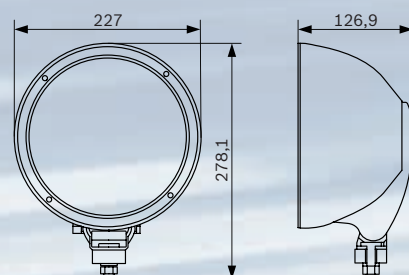
Type of bulb

H1	12 V/55 W	1 987 302 011
H1	24 V/70 W	1 987 302 411
W5W	12V/5W	1 987 302 206
W5W	24V/5W	1 987 302 518

¹⁾ Operate blue ECE version with colorless bulbs only, H1.

Pilot 225

Halogen



Modern design paired with safety.
The high-grade chrome ring is a real eye-catcher. The computer-calculated reflector guarantees maximum light efficiency.

Headlamp housing

Fiberglass reinforced impact-resistant polyamide housing, black.

Lens

Colorless or blue.

Attachment

With M10 threaded stud.

Mounting

Upright.

Scope of delivery

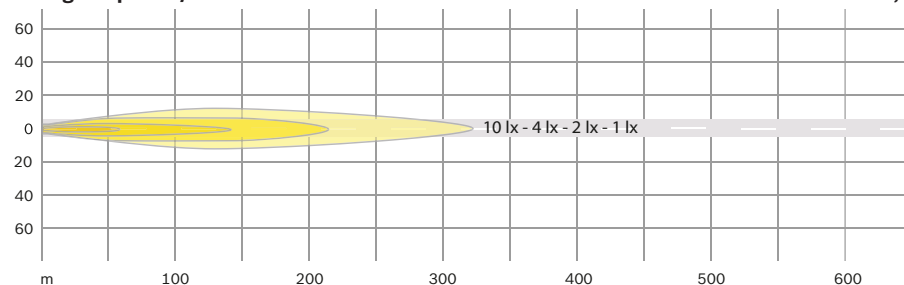
Headlamp, operating instructions, installation material.

Standard

ECE approval.

Driving lamp 12 V/55 W

Reference number: 37,5



Pilot 225

Colorless	0 986 310 952
Blue	0 986 310 953¹⁾

Accessories and spare parts

Driving-lamp unit, colorless	1 987 305 113
Driving-lamp unit, blue	1 987 305 115¹⁾
Protective cap	1 987 305 111

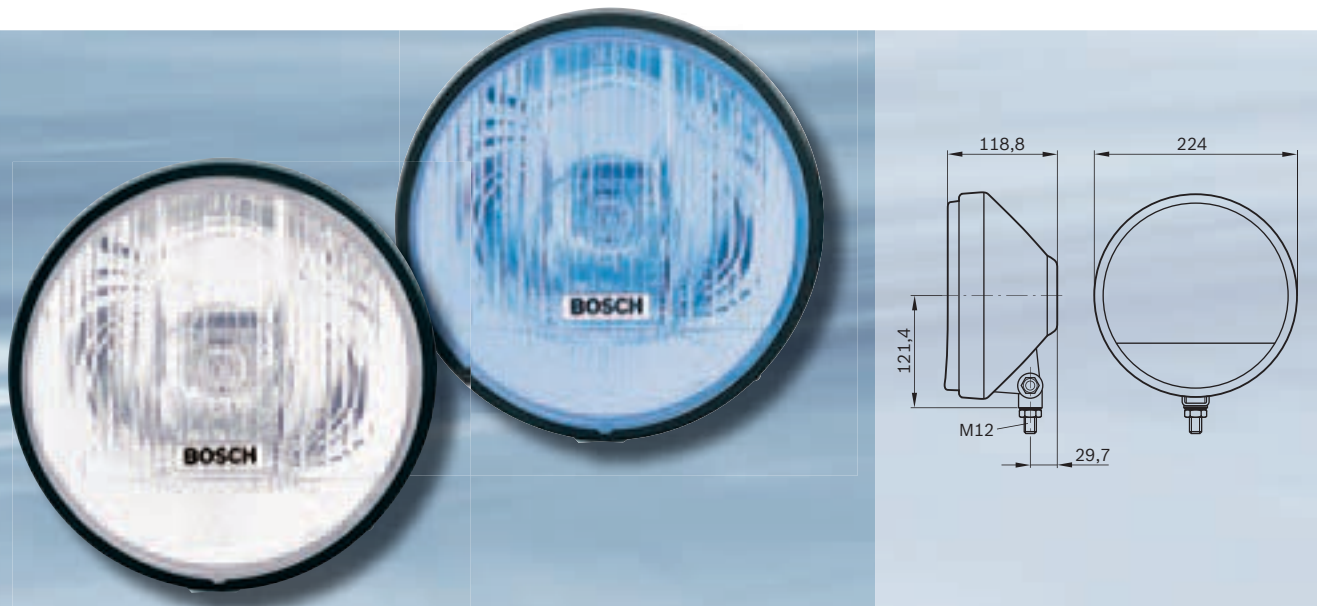
Type of bulb

H1	12 V/55 W	1 987 302 011
H1	24 V/70 W	1 987 302 411
W5W	12V/5W	1 987 302 206
W5W	24V/5W	1 987 302 518

¹⁾ Operate blue ECE version with colorless bulbs only, H1.

Rallye 225

Halogen



Robust auxiliary lamp – developed for rally sport. Optimum light and best road illumination for heavy-duty applications. With or without side- marker lamp.

Headlamp housing

Waterproof steel housing, black resicoated.

Lens

Colorless or blue. Lens aperture Ø 205 mm.

Attachment

With M12 threaded stud.

Mounting

Upright.

Scope of delivery

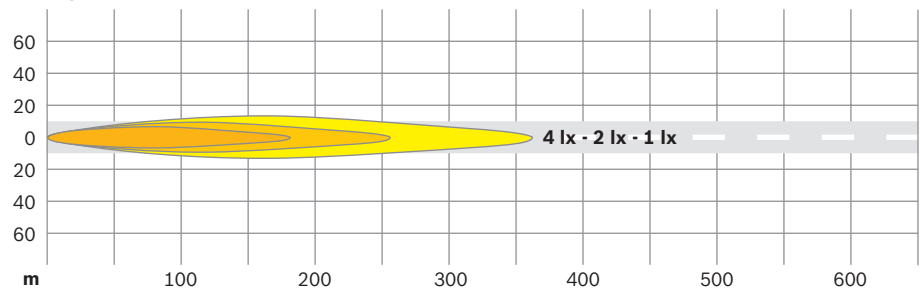
Headlamp, operating instructions, installation material.

Standard

Observe legal regulations and safety instructions.

Driving lamp 12 V/55 W

Reference number: 37,5



Rallye 225

ECE, colorless, with protective cap	0 306 003 001
ECE, colorless	0 306 003 002
ECE, colorless, with position light	0 306 003 006
ECE, blue, with position light	0 306 003 008²⁾
Pencil beam, colorless, with protective cap	0 306 003 003¹⁾
Pencil beam, colorless, with position light	0 306 003 007¹⁾
Pencil beam, blue, with position light	0 306 003 009²⁾

Accessories and spare parts

Protective cap	1 300 516 018
Unit, ECE, colorless, without position lamp	1 300 334 910
Unit, pencil beam, colorless	1 305 334 908¹⁾
Unit, ECE, blue, with position light	1 305 334 925²⁾
Fastening kit	1 307 010 170

Type of bulb

H3	12 V/55 W	1 987 302 031
H3	24 V/70 W	1 987 302 431
T 4 W	12 V/4 W	1 987 302 207
T 4 W	24 V/4 W	1 987 302 512

¹⁾ Observe legal regulations and safety instructions.

²⁾ Operate blue ECE version with colorless bulbs only, T4W, H3.

Rallye 175

Halogen



Auxiliary lamp for a wide variety of applications. Optimum homogeneous light distribution. Suitable for use in even the toughest of weather conditions.

Headlamp housing

Fiberglass reinforced plastic, matte black surface.

Lens

Colorless or blue.

Attachment

With M10 threaded stud.

Mounting

Upright, suspended and side-mounted with up to 90° adjustable base.

Scope of delivery

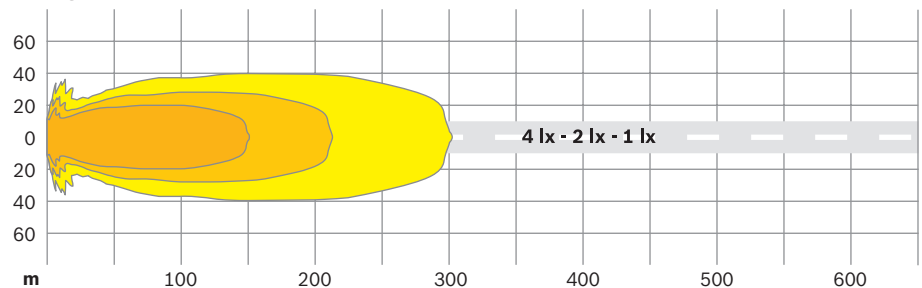
□ SB packaging, 1 headlamp with H1 halogen lamp, electrical connecting parts, operating instructions.

Standard

ECE and SAE approval.

Driving lamp 12 V/55 W

Reference number: 17,5



Rallye 175

Colorless	0 986 310 533
Blue	0 986 310 534¹⁾²⁾

Accessories and spare parts

Headlight unit, colorless	1 987 305 074
Headlight unit, blue	1 987 305 075¹⁾²⁾

Type of bulb

H1	12 V/55 W	1 987 302 011
H1	24 V/70 W	1 987 302 411
T 4 W	12 V/4 W	1 987 302 207
T 4 W	24 V/4 W	1 987 302 512

¹⁾ Operate blue ECE version with colorless bulbs only, T4W, H1.

²⁾ Available while stocks last.

Pilot 160

Halogen



The all-rounder for additional mounting as a driving lamp.

Headlamp housing

Fiberglass reinforced polyamide housing, matte black surface.

Lens

Colorless.

Attachment

With M10 threaded stud.

Mounting

Optionally upright or suspended.

Scope of delivery

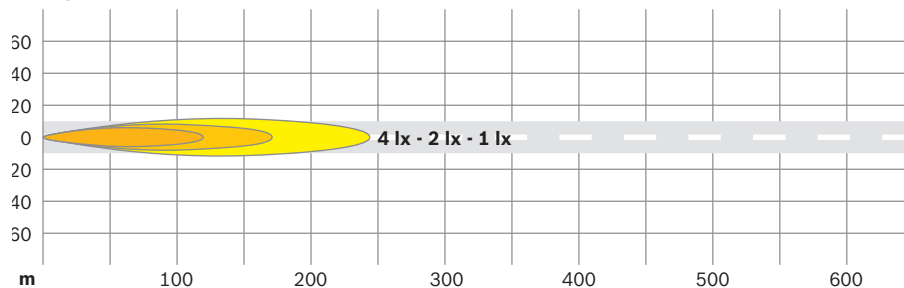
□ SB packaging: Complete installation kit, 2 headlamps with H3 bulbs, wiring harness, relay, fuse carrier, assembly parts and installation instructions.

Standard

ECE and SAE approval.

Driving lamp 12 V/55 W

Reference number: 17,5



Pilot 160

Colorless	0 306 606 001
SB packaging	0 306 606 901 □

Accessories and spare parts

Guard	1 305 501 153¹⁾
Driving-lamp unit, colorless	1 305 334 915

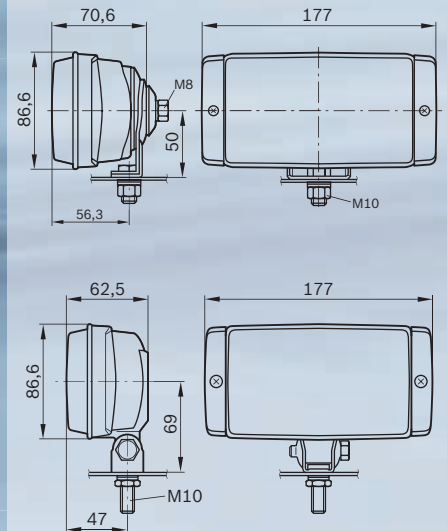
Type of bulb

H3	12 V/55 W	1 987 302 031
H3	24 V/70 W	1 987 302 431

¹⁾ Available while stocks last.

Pilot 150

Halogen



Extra-flat auxiliary lamp for vehicles with narrow bumper. Ideal for compact-class vehicles. Impact-resistant, fracture-proof and non-corroding.

Headlamp housing

Fiberglass reinforced polyamide housing, matte black surface.

Lens

Colorless or yellow.

Mounting

Optionally upright, suspended and from rear.

Scope of delivery

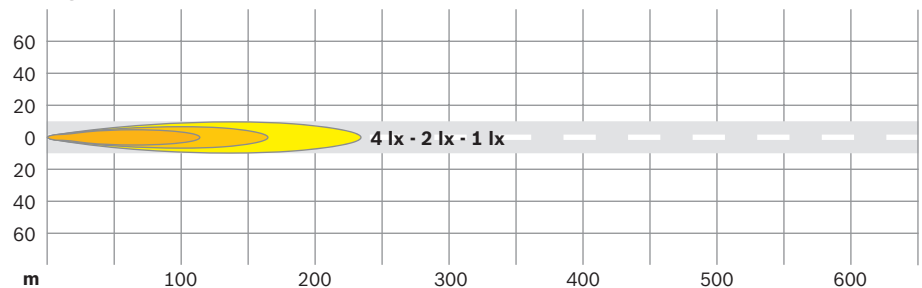
☐ SB packaging: Complete installation kit, 2 headlamps with H3 bulbs, wiring harness, relay, fuse carrier, switch, assembly parts and installation instructions (driving lamp without switch).

Standard

ECE and SAE approval.

Driving lamp 12 V/55 W

Reference number: 12,5



Pilot 150

Colorless **0 306 407 101**

Attachment with threaded stud

Colorless **0 306 407 001**

SB packaging **0 306 407 901** ☐

Accessories and spare parts

Guard **1 305 540 165¹⁾**

Driving-lamp unit, colorless **1 305 354 935**

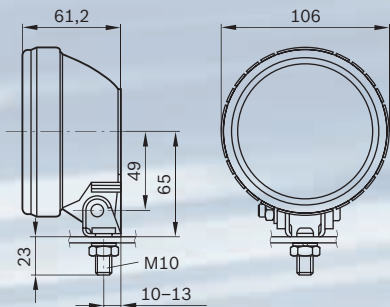
Type of bulb

H3 12 V/55 W **1 987 302 031**

H3 24 V/70 W **1 987 302 431**

¹⁾ Available while stocks last.

Compact 100
Halogen



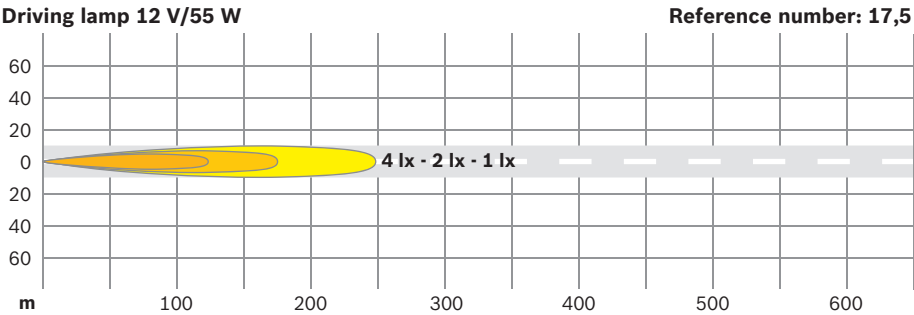
Power that's well worth seeing. Longer range, enhanced road illumination for earlier detection of obstacles. A better view at dusk and at night.

Headlamp housing
Fiberglass reinforced polyamide housing, matte black surface. Waterproof ventilation system with GORE-TEX® membrane.

Lens
Colorless.

Mounting
Optionally upright or suspended.

Standard
ECE approval.



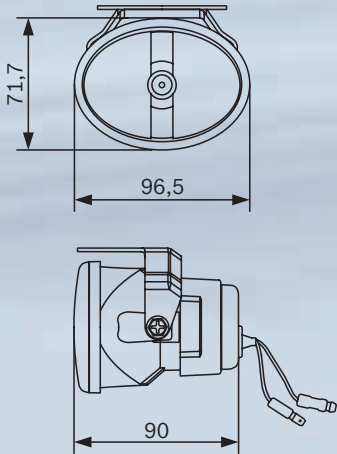
Compact 100		
Colorless		0 306 055 001

Accessories and spare parts		
Headlight unit, colorless		1 305 300 924 ¹⁾

Type of bulb		
H3	12 V/55 W	1 987 302 031

¹⁾ Available while stocks last.

Compass
Halogen



Compact driving lamp with aluminum die-cast housing for the more stringent requirements of commercial vehicles. Long service life due to approved product quality.

Lens

Colorless.

Attachment

With two M10 screws.

Mounting

suspended.

Scope of delivery

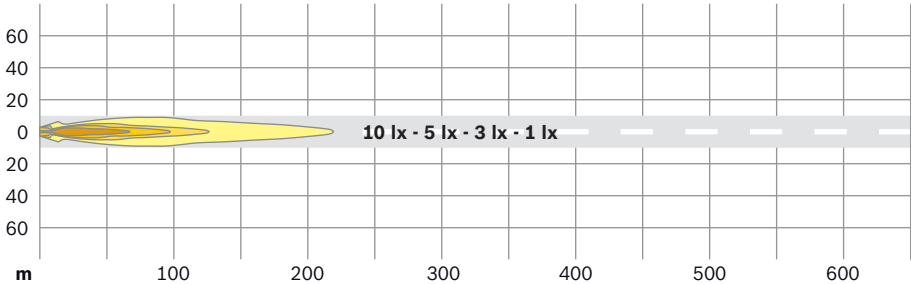
Headlamp with assembled bracket, operating instructions.

Standard

ECE approval.

Driving lamp 12 V/55 W

Reference number: 20

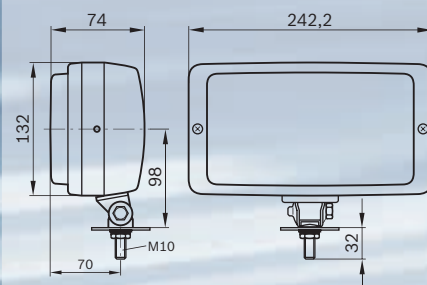


Compass		
Colorless		0 986 310 530

Type of bulb		
H3	12 V/55 W	1 987 302 031

Profi 210

Halogen



Auxiliary lamp in steel housing. Robust and vibration-resistant. Scratch-resistant and non-corroding. Ideal for trucks and buses.

Headlamp housing

Waterproof steel housing. Version with yellow lens: Black resicoated housing.

Lens

Colorless, yellow or blue.

Attachment

With 2 screws at side or pivoting fastening bracket with M 10 threaded stud.

Mounting

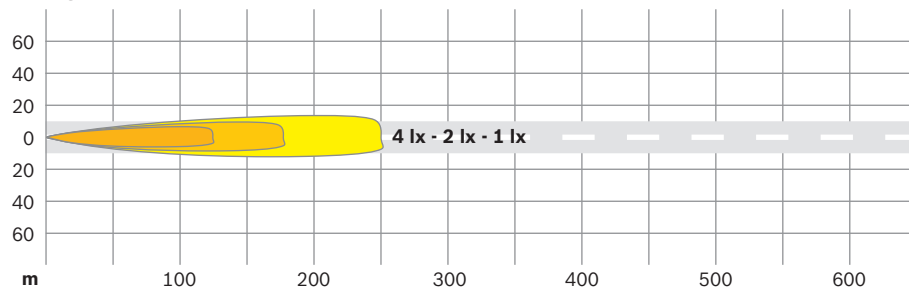
Upright and suspended.

Standard

ECE and SAE approval.

Driving lamp 12 V/55 W

Reference number: 17,5



Profi 210

Colorless	0 986 310 537
Blue	0 986 310 538²⁾

Accessories and spare parts

Protective cap	1 300 591 053¹⁾
Driving-lamp unit, colorless	1 305 320 818

Type of bulb

H3	12 V/55 W	1 987 302 031
H3	24 V/70 W	1 987 302 431

¹⁾ Observe legal regulations and safety instructions.

²⁾ Available while stocks last.

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Auxiliary lamps – Fog lamps

Range overview



A28

Rallye – Fog lamp.

Exceptionally high lighting efficiency thanks to large and deep reflector. Tried and tested in motor sport. Also available as a driving lamp.



A29/30

Pilot – Fog lamp.

Extra-flat housing. Specially designed for mounting on narrow bumpers. Version without mounting base is suitable for installation in spoiler or radiator grille. Also available as a driving lamp.



A31

Compact 100 – Small fog lamp with the latest-generation lighting engineering and colorless lens.

Ideally suited for integrated mounting and installation. Also available as a driving lamp.



A32

Profi – Fog lamp.

Robust and resistant to vibration. Ideal for tough day-to-day use on commercial vehicles. Also available as a driving lamp.



Information



A total of two additional front fog lamps are permissible on each vehicle. These must be capable of being switched on and off separately from the upper and lower-beam headlamps. They may only be switched on together with the lower-beam headlamps. Adjustment is as for the main headlamps. Adjustment dimensions and statutory regulations must always be adhered to.

There are three different optical principles for additional fog lamps:

Paraboloid

A parabolic reflector reflects paraxial light (such as upper beam), which is drawn out into a horizontal band by the lens. A screen restricts the upward radiation of light.

Free-form technology

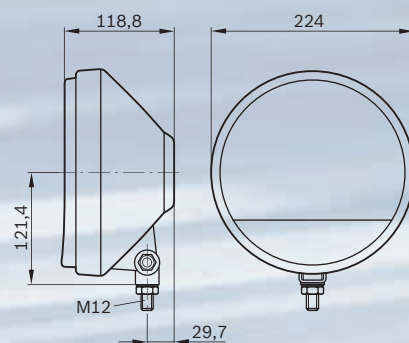
Using computer-aided calculation methods (CAL technology), reflectors are designed to scatter the light directly and at the same time produce a sharply defined light-dark cutoff. The design of the bulb surround ensures an extremely high light volume with maximum diffusion.

PES fog lamps

In fog, this technology ensures a minimum of dazzle for the driver from his/her own lamps. The lens helps to ensure the best-possible light-dark cutoff contrast on the road.

Rallye 225

Halogen



Robust auxiliary lamp – developed for rally sport. Optimum light and best road illumination for heavy-duty applications.

Headlamp housing

Waterproof steel housing, black resicoated.

Lens

Colorless. Lens aperture Ø 205 mm.

Attachment

With M12 threaded stud.

Mounting

Upright.

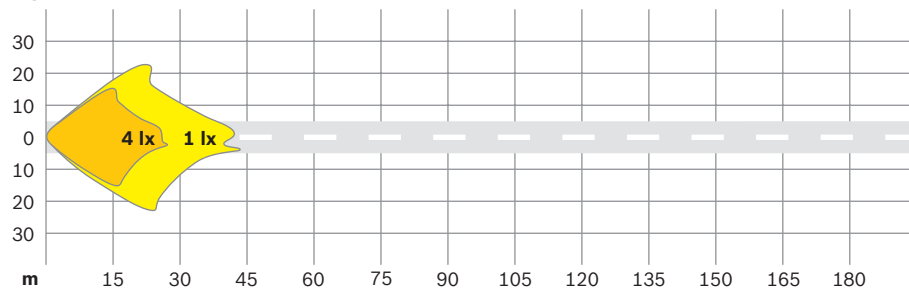
Scope of delivery

Assembly parts included.

Standard

ECE approval.

Fog lamp 12 V/55 W



Rallye 225

Colorless **0 305 002 001**

Accessories and spare parts

Protective cap **1 300 516 018¹⁾²⁾**

Fog-lamp unit, colorless **1 305 334 911**

Fastening kit **1 307 010 170**

Type of bulb

H3 12 V/55 W **1 987 302 031**

H3 24 V/70 W **1 987 302 431**

T 4 W 12 V/4 W **1 987 302 207**

T 4 W 24 V/4 W **1 987 302 512**

¹⁾ Observe legal regulations and safety instructions.

²⁾ Available while stocks last.

Pilot 160

Halogen



The all-rounder for additional mounting as a fog lamp.

Headlamp housing

Fiberglass reinforced polyamide housing, matte black surface.

Lens

Colorless or yellow.

Attachment

With M10 threaded stud.

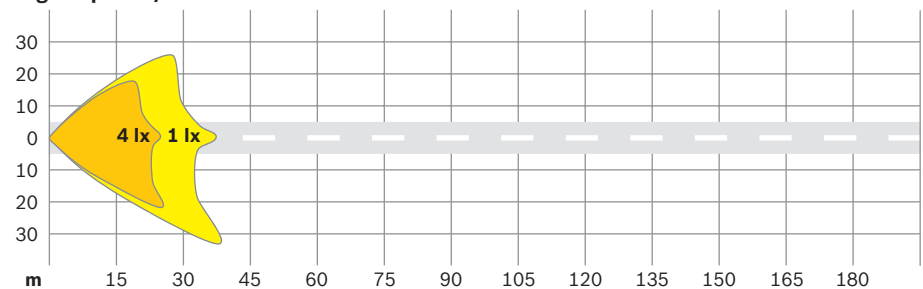
Mounting

Optionally upright or suspended.

Standard

ECE and SAE approval.

Fog lamp 12 V/55 W



Pilot 160

Colorless	0 305 603 001
Yellow	0 305 603 002¹⁾

Accessories and spare parts

Fog-lamp unit, colorless	1 305 334 913
Fog-lamp unit, yellow	1 305 334 914¹⁾

Type of bulb

H3	12 V/55 W	1 987 302 031
H3	24 V/70 W	1 987 302 431

¹⁾ Available while stocks last.

Pilot 150

Halogen



Extra-flat auxiliary lamp for vehicles with narrow bumper. Ideal for compact-class vehicles. Impact-resistant, fracture-proof and non-corroding.

Headlamp housing

Fiberglass reinforced polyamide housing, matte black surface.

Lens

Colorless or yellow.

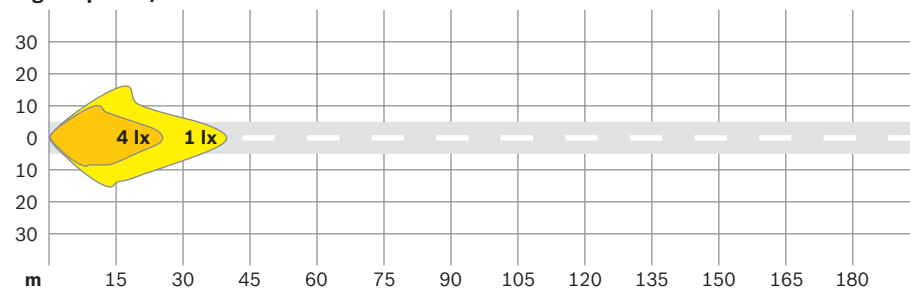
Mounting

Optionally upright, suspended and from rear.

Standard

ECE and SAE approval.

Fog lamp 12 V/55 W



Pilot 150

Mounting from rear or upright and suspended with fastening bracket

Colorless **0 305 406 101**

with hardened lens **0 305 406 105**

Attachment with threaded stud

Colorless **0 305 406 001**

Yellow **0 305 406 002**

Accessories and spare parts

Fog-lamp unit, colorless **1 305 354 933**

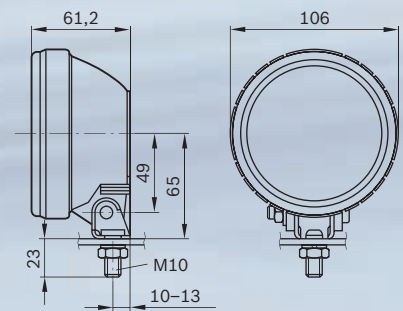
Type of bulb

H3 12 V/55 W **1 987 302 031**

H3 24 V/70 W **1 987 302 431**

Compact 100

Halogen



Optimum luminous efficiency thanks to computer-calculated HNS reflector geometry. Considerably more light than with conventional headlamps of identical size.

Headlamp housing

Fiberglass reinforced polyamide housing, matte black surface. Waterproof ventilation system with GORE-TEX® membrane.

Lens

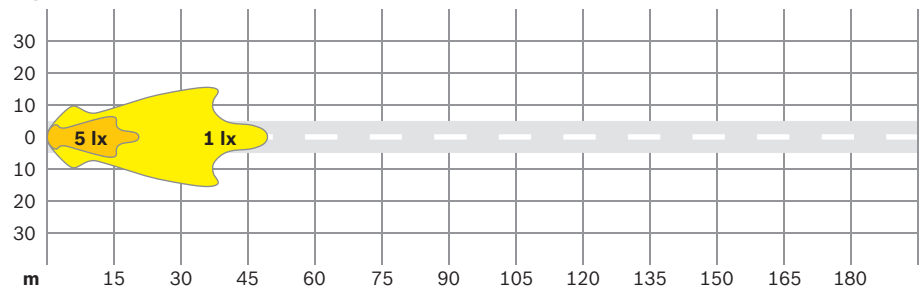
Colorless.

Mounting

Optionally upright, suspended and side-mounted.

Standard

ECE approval.

Fog lamp 12 V/55 W**Compact 100**

Colorless

0 305 055 001

Accessories and spare parts

Fog-lamp unit, colorless

1 305 300 921

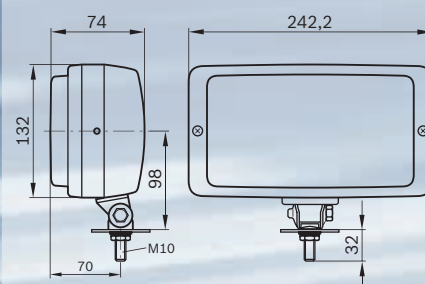
Type of bulb

H3 12 V/55 W

1 987 302 031

Profi 210

Halogen



Fog lamp in steel housing. Robust and vibration-resistant. Scratch-resistant and non-corroding. Ideal for trucks and buses.

Headlamp housing

Waterproof steel housing.

Lens

Colorless or yellow.

Attachment

Pivoting fastening bracket with M10 threaded stud.

Mounting

Upright and suspended.

Standard

ECE and SAE approval.

Profi 210

Colorless	0 986 310 539
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Accessories and spare parts

Protective cap	1 300 591 053¹⁾
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Fog-lamp unit, colorless	1 305 320 816
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Type of bulb

H3	12 V/55 W	1 987 302 031
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H3	24 V/70 W	1 987 302 431
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¹⁾ Observe legal regulations and safety instructions.

[illegible]

Flood and spot lamps

Range overview



A40

LED 135 – The innovative LED 135 floodlamp and spot lamp ensures unbeatable light efficiency and a long service life.



A41/42/43

O-2000-F, R-1000-F, S-1500F – LED work lamp with aluminum die-cast housing, low current consumption and long service life



A44/45

S-1000-C, S-1000-F, S-2250-C, S-2250-F – LED work lamp and combination lamp



A46/47/48/53

Pilot 100, Pilot 135, Pilot 155 – Halogen floodlamps and spot lamps. Efficient and suitable for all applications. Optionally available with one (single beam) or two (double beam) light sources.



**A49/50/51
A52/54**

Pilot 140, Pilot 145, Pilot 150, Pilot 160 – Halogen floodlamps and spot lamps, available in a wide range of designs.



A55

Pilot X – The most compact, most powerful xenon floodlamp in its class.



A56

Profi – Exceptionally robust flood lamp, complete with guard.



A57

Kiruna 140 – Flood lamp, with option of handle and switch.



Information



Flood lamps

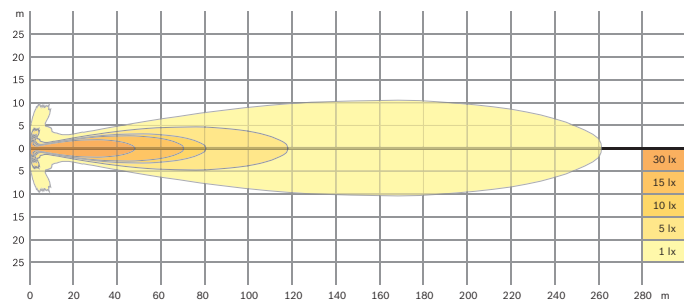
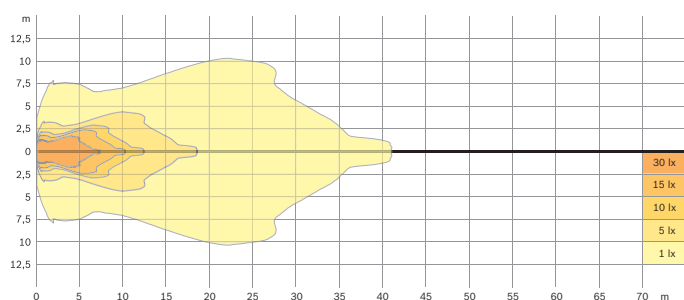
Flood lamps are used for illuminating stationary or mobile work-places. Their robust design makes flood lamps particularly well suited for mounting on commercial vehicles and opens up a wide variety of applications. Flood lamps are widely used in construction, agriculture and forestry, transport, municipal services, by the emergency services and in shipping.

Flood lamps feature large, uniform light distribution. This allows a large working area to be illuminated at close range.

Spot lamps

The densely concentrated light from a spot lamp is ideal when there is a need for targeted illumination of an object from a long distance. For example, spot lamps are used by the police, by fire brigades, and for technical assistance and emergency services. However, a spot lamp can also be useful in other specialist areas where there is a need for a strong searchlight, for example inland waterways for illuminating canals, locks or landing stages.

A spot lamp produces a narrow beam of concentrated high-intensity light, effectively illuminating a specific area at long range.



Flood and spot lamps



When you need to turn night into day

Anyone who has to work on vehicles at night or in poor daytime lighting conditions needs extra illumination of their working area. Standard sources of light are in no way adequate

The right lamps for every application

Bosch supplies a wide range of different flood lamps and spot lamps to suit every purpose. Flood lamps are used in situations requiring a broad light beam for uniform illumination of a large area.

By contrast, spot lamps provide a narrow beam of light for the concentrated illumination of a smaller, more distant area. Flood lamps and spot lamps feature a compact construction, which enables them to be easily mounted at various positions on a vehicle.

They also offer impressive flexibility: They can be swiveled to numerous positions and securely fixed at every point.

Top quality makes light of hard work

Many years' experience, continuous testing and strict production controls guarantee the premium quality of all flood lamps and spot lamps from Bosch. Outstanding quality features:

- ▶ High light yield thanks to reflects with a surface accuracy of 1/10,000 mm, ground using a special reflection method and smoothed by multiple lacquer coats
- ▶ Exceptionally vibration resistant and durable designs for tough applications
- ▶ Easy service construction for uncomplicated replacement of bulbs
- ▶ Vibration-damped versions available
- ▶ Splash-proof design

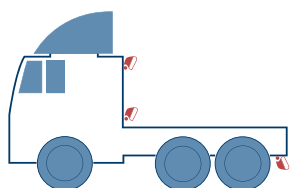
Attachment examples



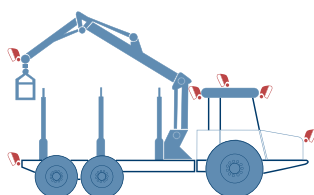
Bosch supplies a wide range of different lamp models. The sturdy attachment mechanism allows a variety of positions to suit different vehicle models and types. Extremely flexible angular adjustment to the front, rear and sides adds yet more application potential.



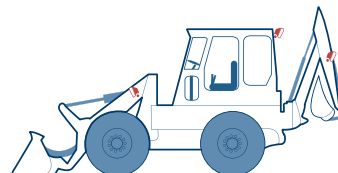
Optimum illumination for every application



Truck / semi-trailer tractors



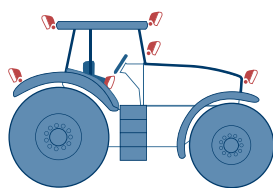
Forestry machines



Wheel loaders / excavators



Fork-lift trucks



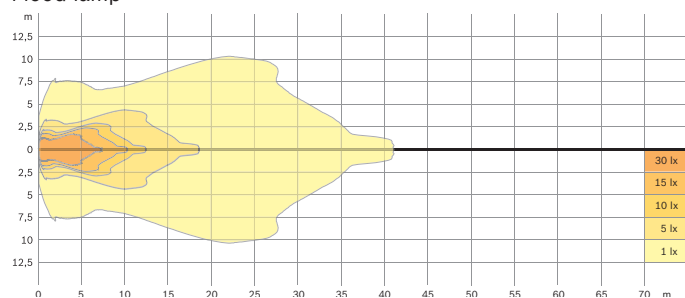
Tractors



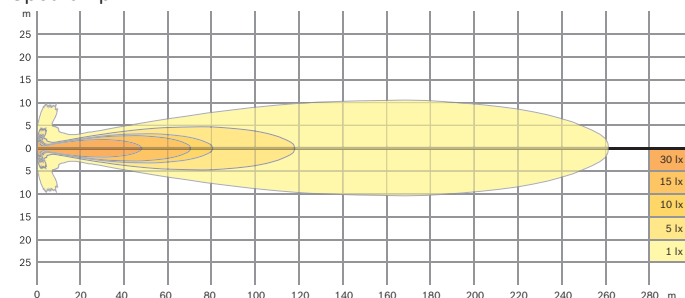
Combine harvesters

For every application the right lamps

Flood lamp

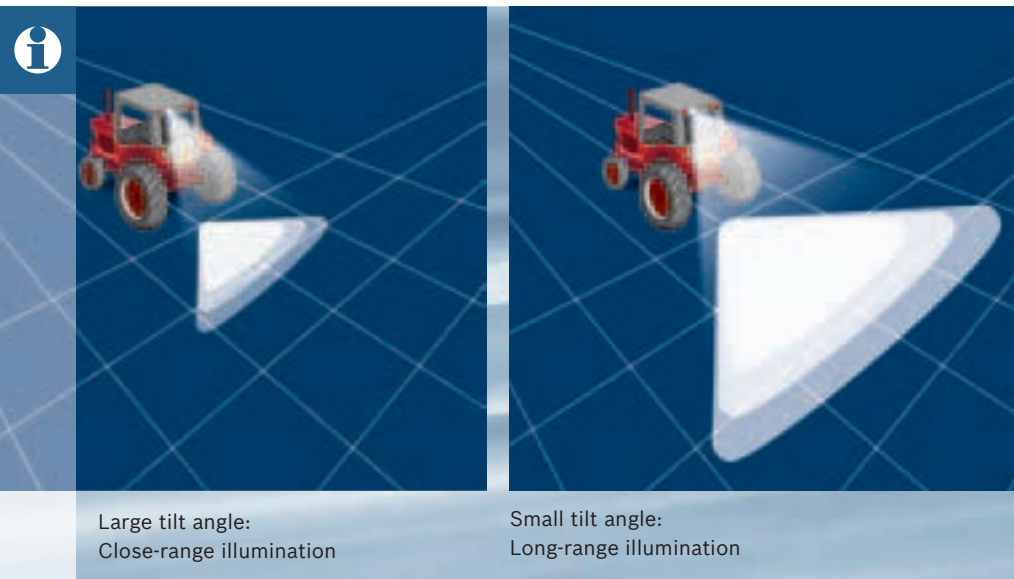


Spot lamp



Ideal illumination

IP degrees of protection



Ideal illumination! Practical hints

The attachment height and tilt angle are the critical parameters for obtaining optimum illumination with a flood lamp. The greatest area of illumination can be achieved with a small tilt angle (approx. 5°) and a high attachment position (approx. 2.5 m). Individual settings can be made to suit the relevant application.

IP degrees of protection

Safety you can rely on

Bosch places great emphasis on high quality materials and workmanship. These are essential for the reliable, long-term operation of products. An important indicator of the loads to which a lamp unit can be subjected is provided by the IP degree of protection (International Protection). IP degrees of protection specify the amount of protection afforded to electrical equipment by a housing. Various tests are performed to determine the exact degree of protection.

Two levels of protection are tested

Protection against the ingress of solid foreign matter (including dust), indicated by the first code element. Secondly, protection against the ingress of water, indicated by the second code element.

Where no code element is given, the letter „X“ is to be substituted. E.g. IPX4K, if only the protection against water ingress was examined.

The structure of IP degrees of protection is as follows:

1st code element and supplementary K	Protection of electrical equipment against ingress of foreign matter
0	Not protected
1	Protection against foreign matter $\varnothing \geq 50$ mm
2	Protection against foreign matter $\varnothing \geq 12,5$ mm
3	Protection against foreign matter $\varnothing \geq 2,5$ mm
4	Protection against foreign matter $\varnothing \geq 1,0$ mm
5K	Dust protected
6K	Dust proof

2nd code element and supplementary K	Protection of electrical equipment against ingress of water
0	Not protected
1	Protection against vertical drops
2	Protection against drops from 15° angle
3	Protection against sprayed water
4	Protection against splash water
4K	Protection against splash water with increased pressure
5	Protection against water jets
6	Protection against strong water jets
6K	Protection against strong water jets with increased pressure
7	Protection against temporary immersion
9	Protection against temporary submersion
9K	Protection against high pressure/vapor pressure cleaning

LED lamps from Bosch

A big safety boost



Anyone who has ever worked at night or in poor lighting conditions knows how important good lighting is. Particularly in automotive engineering, LED technology opens up totally new horizons in providing more targeted and efficient lighting. For example, Bosch has developed the new LED 135 flood lamp and spot lamp. Even better visibility, enhanced safety and added convenience.



Tailored to your requirements

Bosch LED flood lamps deliver a broad and uniformly distributed light cone in the close-up range, Bosch LED spot lamps, meanwhile, provide a directed beam of concentrated bright light. LED combination lamps combine the properties of a work lamp with those of a search lamp. In all cases, a color temperature similar to daylight relieves strain on the eyes and ensures a pleasant working atmosphere.

Low power consumption

Bosch LED flood lamps feature minimal energy consumption. This is particularly beneficial where the alternator only provides a small amount of power or, for example on electric fork-lift trucks or special purpose vehicles, where a battery supplies the power.

Long service life and zero maintenance

Flood lamps often need to be used throughout the night. This would place huge demands on any lamps based on conventional technology. LED flood lamps from Bosch can comfortably cope with continuous use. They offer an impressively long service life thanks to the low power consumption and the small amount of heat generated. They are also maintenance free, which means that there is no need for troublesome bulb changes.

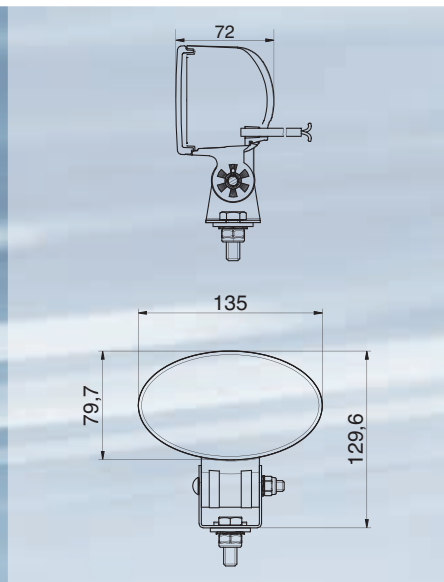
For the toughest conditions

Flood lamps and spot lamps need to be able to withstand plenty of punishment in day-to-day use. Which is why Bosch makes them exceptionally durable. The housing, attachments and supply lines feature high quality materials and painstaking workmanship. Bosch LED lamps also have another technical advantage: Their LEDs are much less sensitive, particularly to vibrations, than conventional bulbs. This durability also includes all of the electronics used in the Bosch LED lamps. By choosing Bosch, you can count on exceptional reliability and a long service life.

LED 135

Flood and spot lamps

LED



The Bosch LED 135 offers more than just superb light yield. The long service life of the entire lamp and its low power consumption make it the ideal working solution wherever there are stringent requirements in terms of additional lighting. The flood lamp has six high powered LEDs, the spot lamp seven (740 or 1,020 lumens). Available in 12 or 24 Volt versions. RFI suppressed in acc. with ECE R10 (EMC), degree of protection IP67.

Lamp housing

Aluminum,
Dimensions: 80 mm x 135 mm x 72 mm.

Attachment

Upright or suspended options available.

Mounting

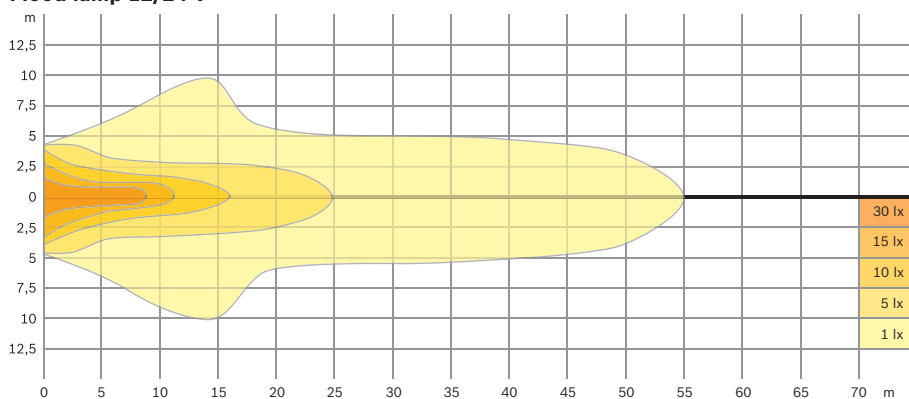
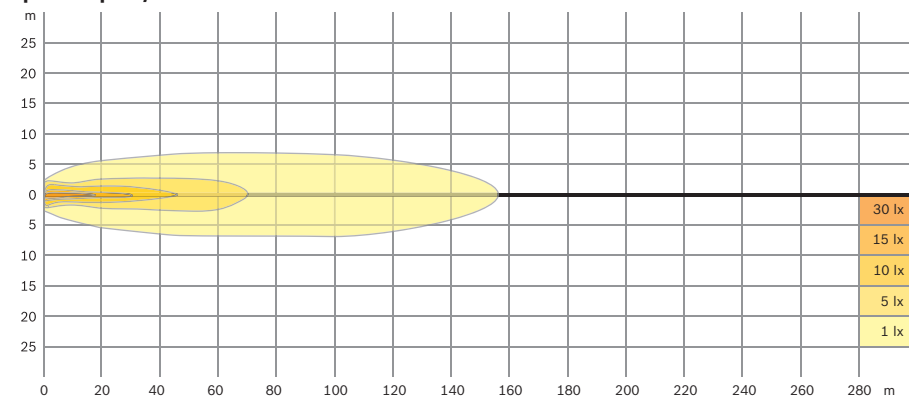
With swivel type forked holder for mounting on body or bumper Stud M 10.

Electrical connection

Cable connection.

Scope of delivery

Individual packaging:
1 lamp including mounting parts.

Flood lamp 12/24 V**Spot lamp 12/24 V****① Flood lamp LED 135**

12/24 V

0 986 310 960

② Spot lamp LED 135

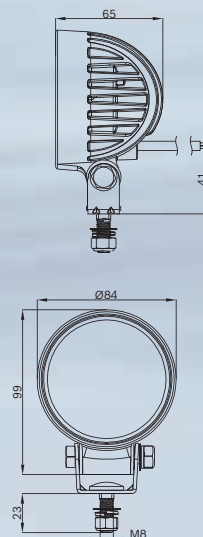
12/24 V

0 986 310 961

R-1000-F

Flood lamps

LED



Round LED work lamp with 12W power input. The work lamp is equipped with 4 high-performance LEDs. The effective luminous flux is 600 lm. Optionally 12 or 24 Volt. RFI-suppressed in acc. with ECE R10 (EMC), degree of protection: IP67.

Lamp housing

Aluminum,
Dimensions: 84 mm x 111 mm x 65 mm.

Attachment

Upright or suspended options available.

Mounting

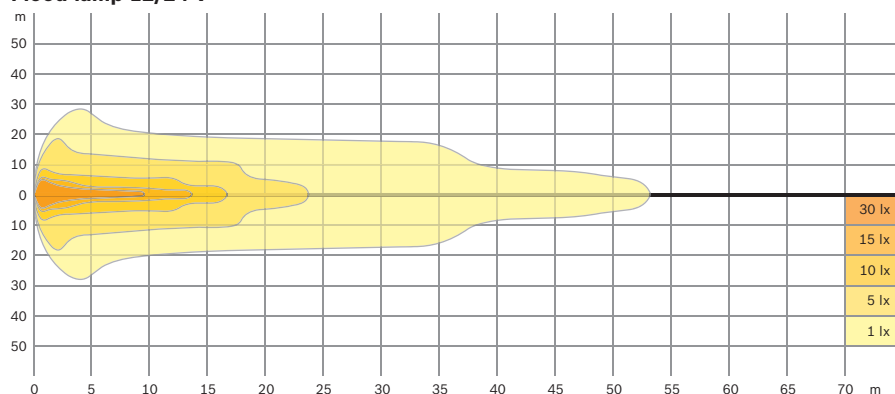
With swivel type forked holder
for mounting on body or bumper
Stud M 8.

Electrical connection

0.5 m cable without connector.

Scope of delivery

Blister packaging:
1 lamp including mounting parts.

Flood lamp 12/24 V**Flood lamp R-1000-F**

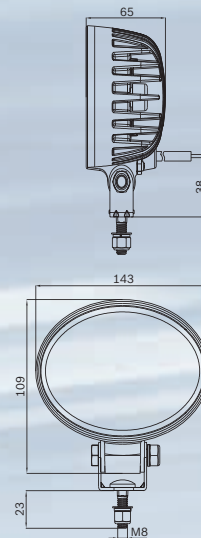
12/24 V

0 986 310 940

O-2000-F

Flood lamps

LED



Oval LED work lamp with 24W power input. The work lamp is equipped with 8 high-performance LEDs. The effective luminous flux is 1,250 lm. Optionally 12 or 24 Volt. RFI-suppressed in acc. with ECE R10 (EMC), degree of protection: IP67.

Lamp housing

Aluminum,
Dimensions: 143 mm x 120 mm x 65 mm.

Attachment

Upright or suspended options available.

Mounting

With swivel type forked holder for mounting on body or bumper Stud M 8.

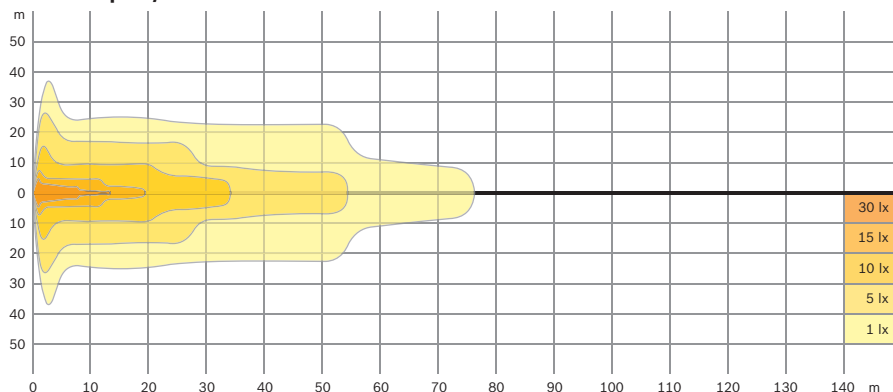
Electrical connection

0.5 m cable without connector.

Scope of delivery

Blister packaging:
1 lamp including mounting parts.

Flood lamp 12/24 V



Flood lamp O-2000-F

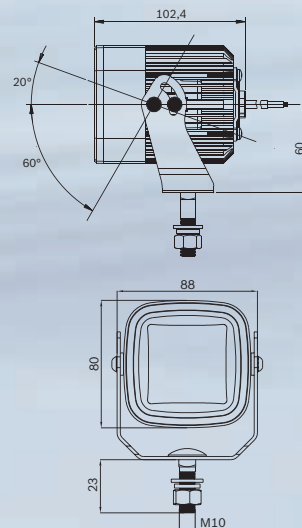
12/24 V

0 986 310 941

S-1500-F

Flood lamps

LED



Vertically pivoting LED work lamp with 18W power input. The work lamp is equipped with 6 high-performance LEDs. The effective luminous flux is 1,100 lm. Optionally 12 or 24 Volt. RFI-suppressed in acc. with ECE R10 (EMC), degree of protection: IP67.

Lamp housing

Aluminum,
Dimensions: 88 mm x 100 mm x 102 mm.

Attachment

Upright or suspended options available.

Mounting

With swivel type forked holder
for mounting on body or bumper
Stud M 8.

Pivoting range

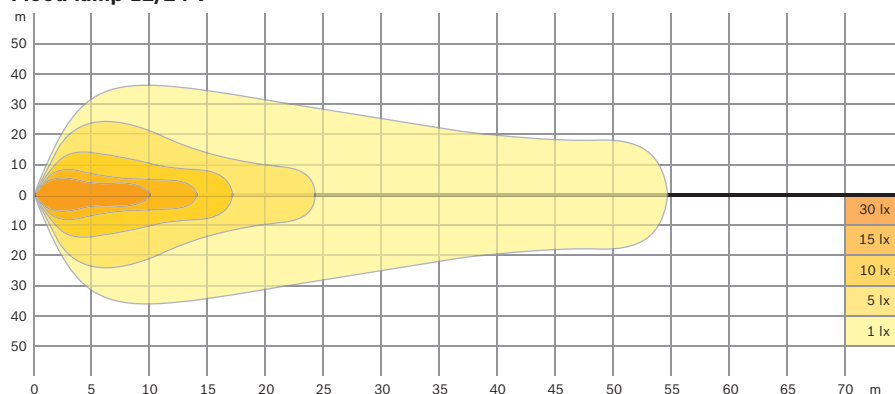
60° forwards, 20° to rear.

Electrical connection

0.5 m cable without connector.

Scope of delivery

Blister packaging:
1 lamp including mounting parts.

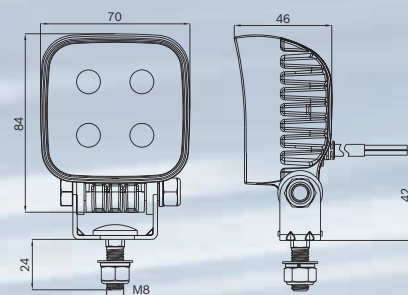
Flood lamp 12/24 V**Flood lamp S-1500-F**

12/24 V

0 986 310 942

S-1000-F, S-1000-C

Work and combination lamp
LED



Flat LED headlamp with 12 W power input.
Optionally available as a work lamp or a combination lamp. Both headlamps are equipped with 4 high-performance LEDs. The effective luminous flux is 600 lm. Optionally for 12 or 24 Volt. RFI-suppressed in acc. with ECE R10 (EMC), degree of protection: IP67.

Lamp housing

Aluminum,
Dimensions: 70 mm x 96 mm x 46 mm.

Attachment

Upright or suspended options available.

Mounting

With swivel type forked holder for mounting on body or bumper Stud M 8.

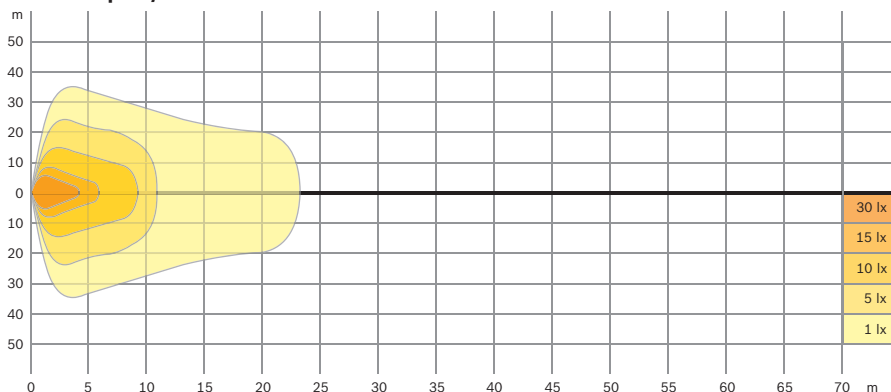
Electrical connection

0.5 m cable without connector.

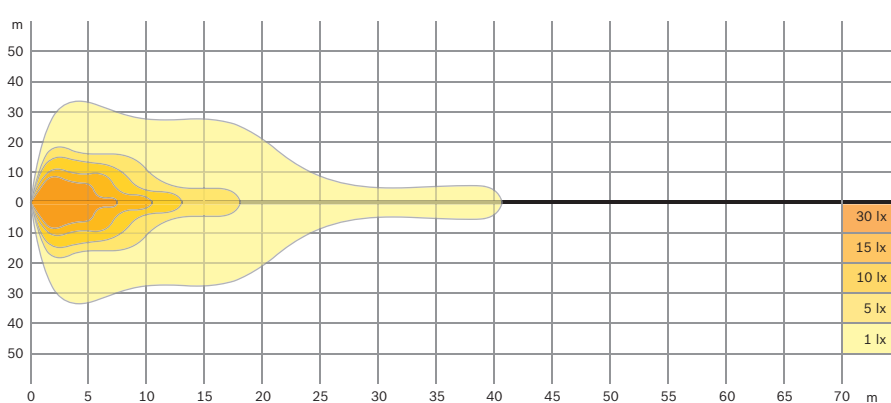
Scope of delivery

Blister packaging:
1 lamp including mounting parts.

Flood lamp 12/24 V



Combination lamp 12/24 V



① Flood lamp S-1000-F

12/24 V

0 986 310 946

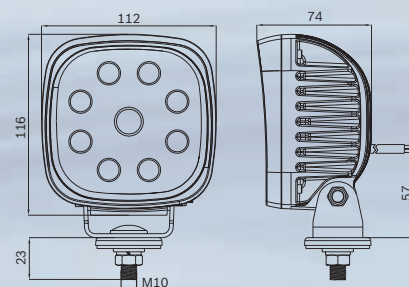
② combination lamp S-1000-C

12/24 V

0 986 310 944

S-2250-F, S-2250-C

Work and combination lamp
LED



LED headlamps with 27 W power input.
Depending on area of application as work lamp or combination lamp.
Both headlamps are equipped with 9 high-performance LEDs.
The effective luminous flux is 1,500 lm.
Optionally for 12 or 24 Volt.
RFI-suppressed in acc. with ECE R10 (EMC), degree of protection: IP67.

Lamp housing

Aluminum,
Dimensions: 112 mm x 131 mm x 74 mm.

Attachment

Upright or suspended options available.

Mounting

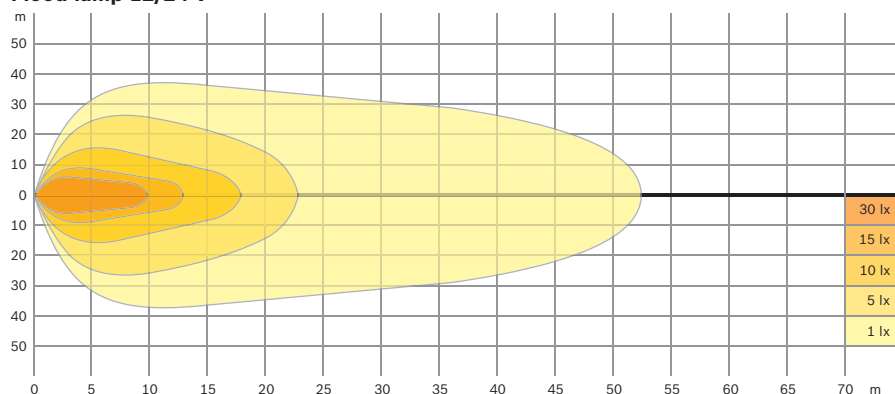
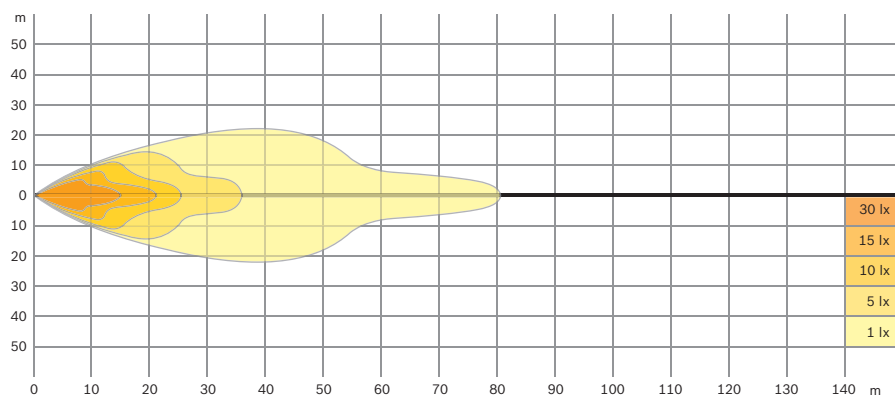
With swivel type forked holder for mounting on body or bumper
Stud M 10.

Electrical connection

0.5 m cable without connector.

Scope of delivery

Blister packaging:
1 lamp including mounting parts.

Flood lamp 12/24 V**Combination lamp 12/24 V****① Flood lamp S-2250-F**

12/24 V

0 986 310 945

② combination lamp S-2250-C

12/24 V

0 986 310 943

Pilot 100

Flood and spot lamps

Halogen



Halogen technology offers impressive value for money. The Pilot lamps have a compact design and a huge range of possible applications. Suitable for use as a flood or spot lamp depending on application. For 12 V with 55 W output or 24 V with 70 W available with degree of protection IPX4K and IP6K9K.

Lamp housing

Glassfiber reinforced plastic
Dimensions: 147 mm x 128 mm x 107 mm.

Attachment

Upright.

Mounting

Stainless steel bracket
With swivel type forked holder for mounting on body or bumper, M 10 studs.

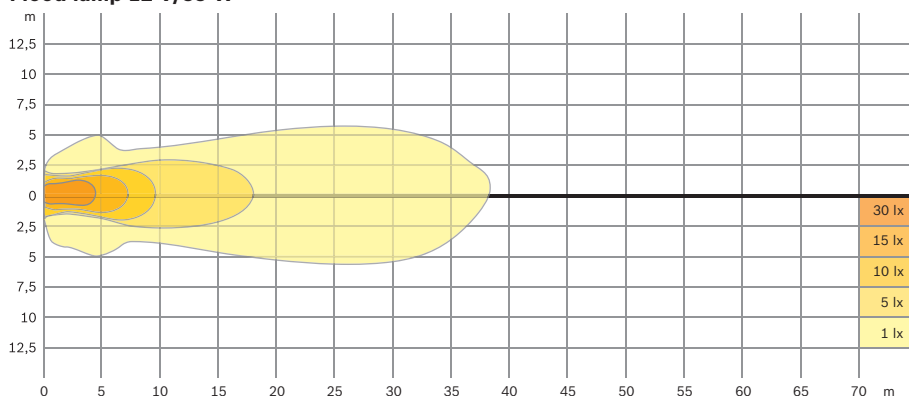
Electrical connection

Cable connection.

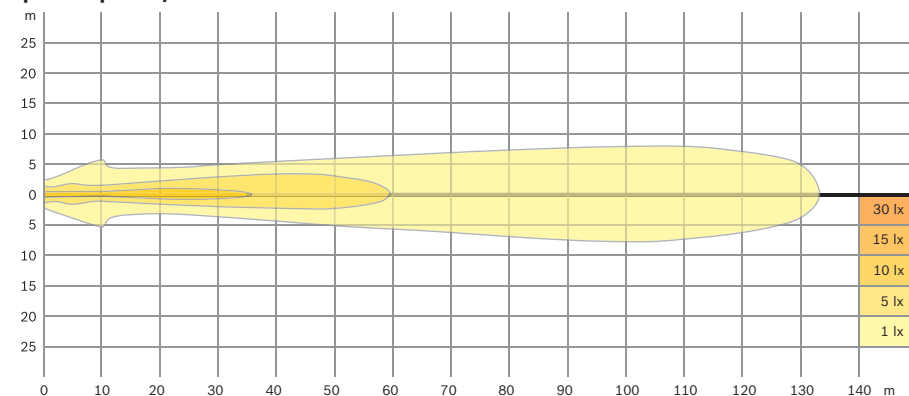
Scope of delivery

Individual packaging:
1 lamp including mounting parts.

Flood lamp 12 V/55 W



Spot lamp 12 V/55 W

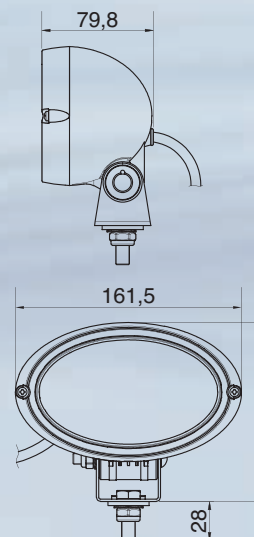


Type of bulb		
H3	12 V/55 W	1 987 302 031
H3	24 V/70 W	1 987 302 431

① Flood lamp Pilot 100		
12 V IPX4K		0 986 310 930
12 V IP6K9K		0 986 310 932

② Spot lamp Pilot 100		
12 V IPX4K		0 986 310 931
12 V IP6K9K		0 986 310 933

Pilot 135 Single Beam Flood and spot lamps Halogen



For everyone who needs plenty of light but doesn't have much space for auxiliary lamps. Single beam design, i.e. with one light source. Choice of flood lamp with broad light cone or spot lamp with narrow light cone and a longer range. For 12 V with 55 W output or 24 V with 70 W. Degree of protection IP6K9K.

Lamp housing

Glassfiber reinforced plastic
Dimensions: 128 mm x 162 mm x 80 mm.

Attachment

Upright.

Mounting

With swivel type forked holder for mounting on body or bumper, M 10 studs.

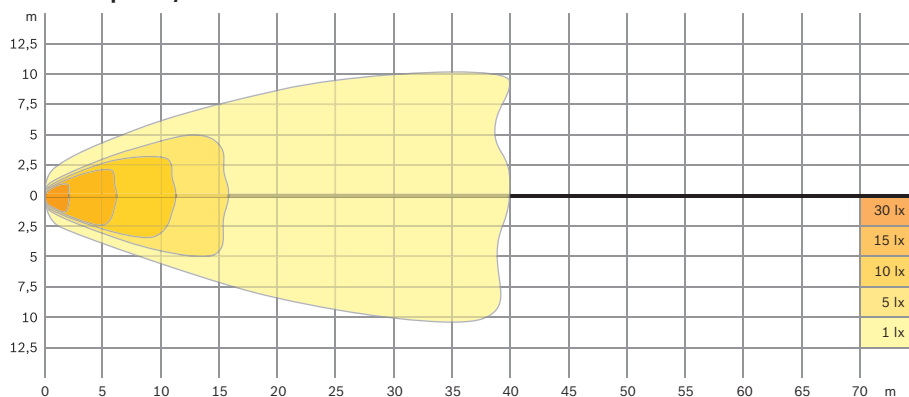
Electrical connection

Cable connection.

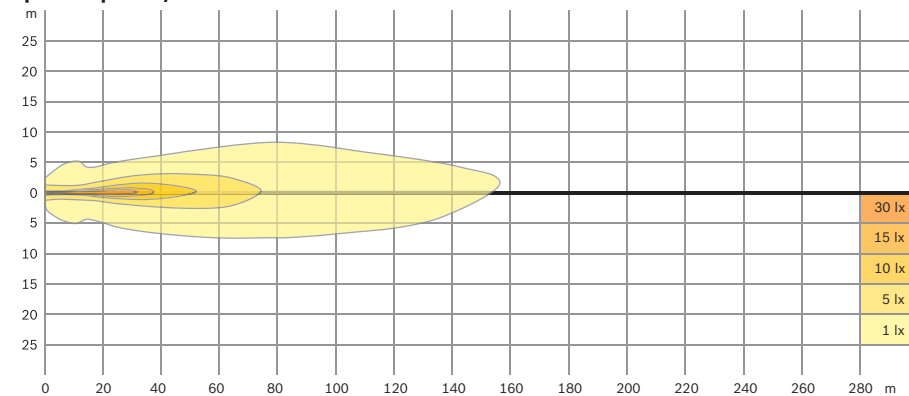
Scope of delivery

Individual packaging:
1 lamp including mounting parts

Flood lamp 12 V/55 W



Spot lamp 12 V/55 W



① Flood lamp Pilot 135

Single Beam **0 986 310 936**

② Spot lamp Pilot 135

Single Beam **0 986 310 937**

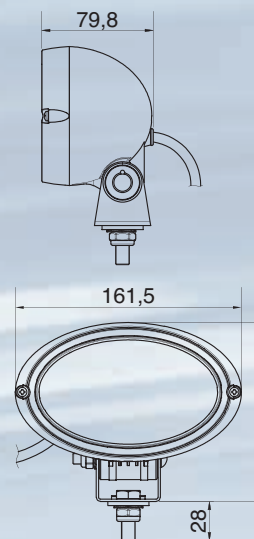
Type of bulb

H3	12 V / 55 W	1 987 302 031
H3	24 V / 70 W	1 987 302 431

Pilot 135 Double Beam

Flood and spot lamps

Halogen



For everyone who needs plenty of light but doesn't have much space for auxiliary lamps. Double beam design, i.e. with two light sources. Choice of flood lamp with broad light cone or spot lamp with narrow light cone and a longer range. For 12 V with 55 W output or 24 V with 70 W. Degree of protection IP6K9K.

Lamp housing

Glassfiber reinforced plastic
Dimensions: 128 mm x 162 mm x 80 mm.

Attachment

Upright.

Mounting

With swivel type forked holder for mounting on body or bumper, M 10 studs.

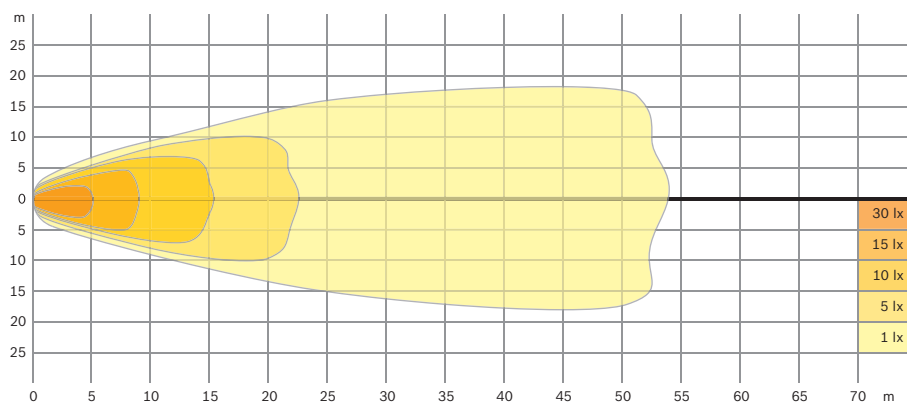
Electrical connection

Cable connection.

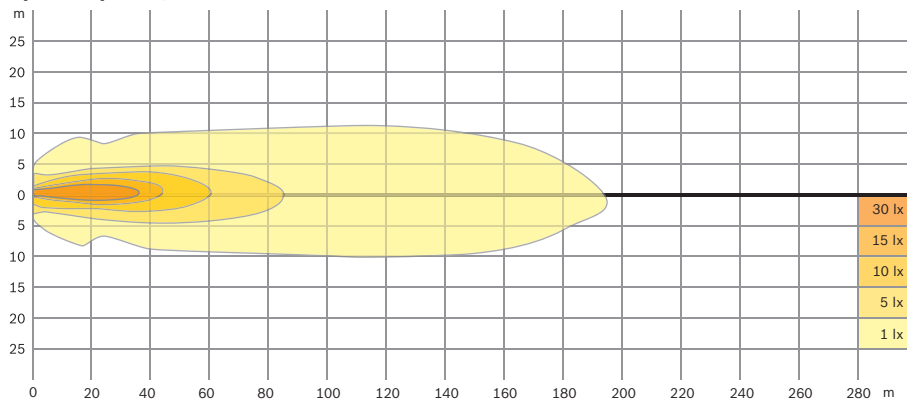
Scope of delivery

Individual packaging:
1 lamp including mounting parts

Flood lamp 12 V/55 W



Spot lamp 12 V/55 W



① Flood lamp Pilot 135

Double Beam **0 986 310 938**

② Spot lamp Pilot 135

Double Beam **0 986 310 939**

Type of bulb

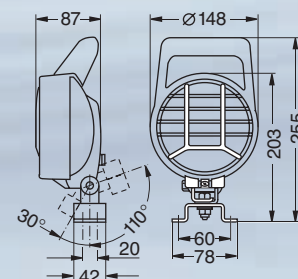
H3 12 V/55 W **1 987 302 031**

H3 24 V/70 W **1 987 302 431**

Pilot 140

Flood lamp

Halogen



Waterproof flood lamp, available with or without practical handle and guard. For heavy-duty applications. Degree of protection IPX4.

Headlamp housing

Fiberglass reinforced plastic, matte black surface. Impact-resistant, non-corroding and fracture-proof.

Lens

Colorless lens, with waterproof bonding to reflector.

Mounting

Optionally upright or suspended.

Attachment

Pivoting, corrosion-resistant fastening bracket with 4 holes for M 6 bolts

Pivoting range

30° forwards, 110° to rear, 360° lateral.

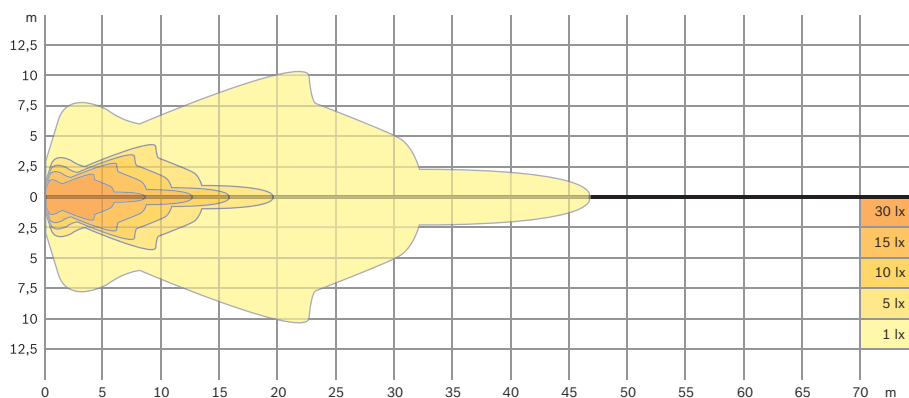
Electrical connection

Two-pole, blade-terminal connections, cable entry through splash-proof rubber grommet.

Scope of delivery

In single pack: 1 lamp with assembly parts. Halogen H3 bulb to be ordered separately.

Flood lamp 12 V/55 W



Pilot 140

Without handle, without guard	0 306 481 001
Without handle, without guard, ring-shaped bulb cover	0 306 481 002
With handle and guard	0 306 481 004¹⁾

Accessories and spare parts

Guard without handle (for ...001)	1 305 501 121
Headlight unit	1 305 301 918¹⁾
Fastening bracket	1 307 022 236¹⁾

Type of bulb

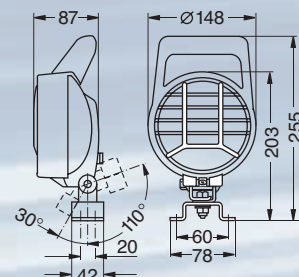
H3	12 V/55 W	1 987 302 031
H3	24 V/70 W	1 987 302 431

¹⁾ Available while stocks last.

Pilot 140

Spot lamp

Halogen



Spot lamp version with handle and guard.
For heavy-duty applications. Degree of protection IPX4.

Headlamp housing

Fiberglass reinforced plastic, matte black surface. Impact-resistant, non-corroding and fracture-proof.

Lens

Colorless lens, with waterproof bonding to reflector.

Mounting

Optionally upright or suspended.

Attachment

Pivoting, corrosion-resistant fastening bracket with 4 holes for M 6 bolts

Pivoting range

30° forwards, 110° to rear, 360° lateral.

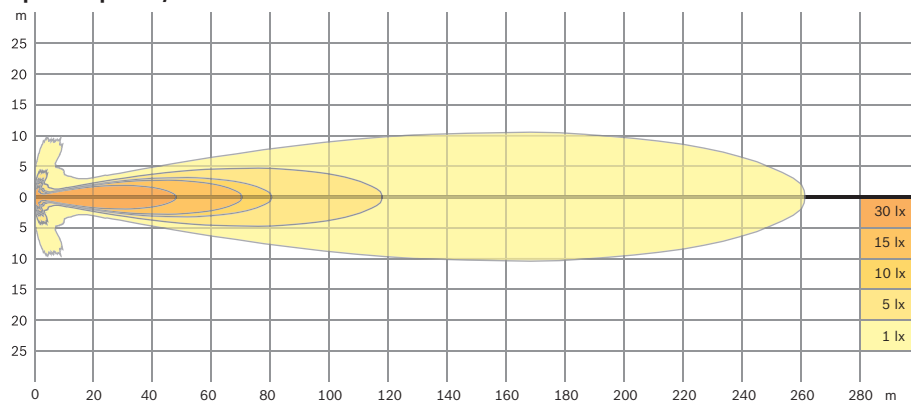
Electrical connection

Two-pole, blade-terminal connections, cable entry through splash-proof rubber grommet.

Scope of delivery

In single pack: 1 lamp with assembly parts.
Halogen H3 bulb to be ordered separately.

Spot lamp 12 V/55 W



Pilot 140

With handle and guard **0 306 481 003¹⁾**

Accessories and spare parts

Guard without handle **1 305 501 121**

Headlight unit **1 305 301 917¹⁾**

Fastening bracket **1 307 022 236¹⁾**

Type of bulb

H3 12 V/55 W **1 987 302 031**

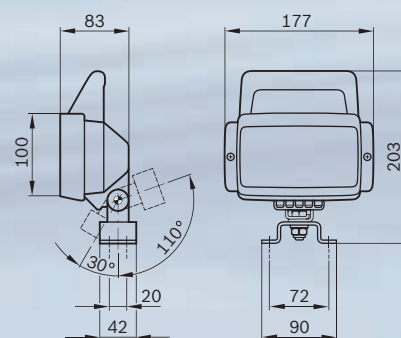
H3 24 V/70 W **1 987 302 431**

¹⁾ Available while stocks last.

Pilot 145

Flood lamp

Halogen



Versatile flood lamp for a wide range of applications. Available with or without handle and with or without fastening bracket. Degree of protection IPX4.

Headlamp housing

Fiberglass reinforced plastic, matte black surface. Impact-resistant, non-corroding and fracture-proof.

Lens

Colorless lens, with waterproof bonding to reflector.

Mounting

Optionally upright or suspended.

Attachment

Pivoting, corrosion-resistant fastening bracket with 4 holes for M6 bolts or pivoting, corrosion-resistant M10 threaded studs.

Pivoting range

30° forwards, 110° to rear, 360° lateral.

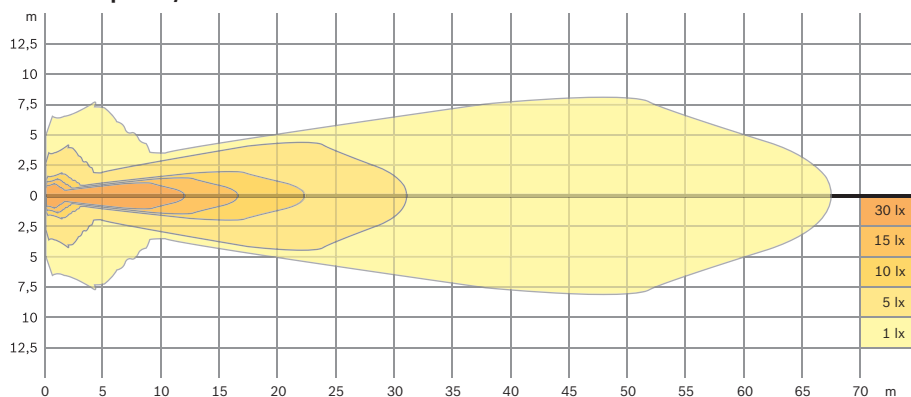
Electrical connection

Two-pole, blade-terminal connections, cable entry through splash-proof rubber grommet.

Scope of delivery

In single pack: 1 lamp with assembly parts. Halogen H3 bulb to be ordered separately.

Flood lamp 12 V/55 W



Pilot 145

With fastening bracket	0 306 482 001¹⁾
Without fastening bracket	0 306 482 010¹⁾
With handle, frame and fastening bracket	0 306 482 003¹⁾

Accessories and spare parts

Protective cap	1 305 540 101¹⁾
Headlight unit	1 305 354 911¹⁾
Fastening bracket	1 307 022 236¹⁾

Type of bulb

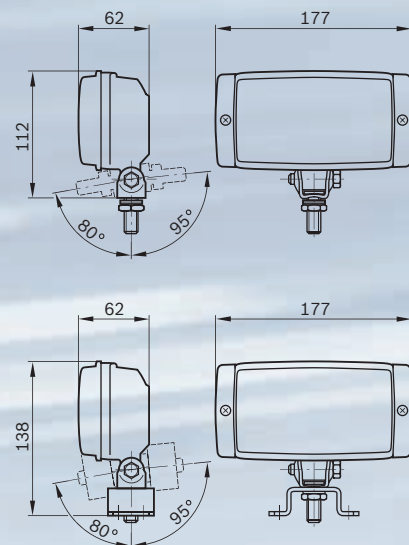
H3	12 V/55 W	1 987 302 031
H3	24 V/70 W	1 987 302 431

¹⁾ Available while stocks last.

Pilot 150

Flood lamp

Halogen



Flood lamp with and without pivoting fastening bracket for flexible mounting
Universal application range. Optimum homogeneous light distribution. Degree of protection IPX4.

Headlamp housing

Fiberglass reinforced plastic, matte black surface.

Headlight unit

Interchangeable.

Mounting

Upright and suspended.

Attachment

With pivoting forked holder for mounting on body or bumper

Pivoting range

80° forwards, 95° to rear, 360° lateral.

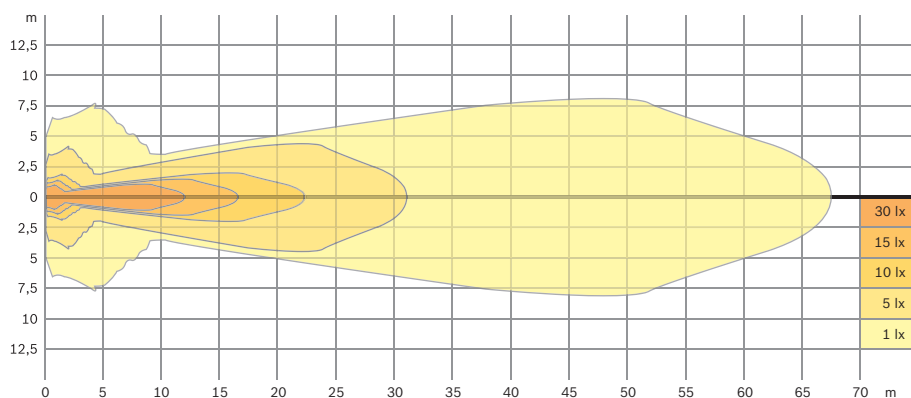
Electrical connection

Blade terminal and grommet.

Scope of delivery

In single pack: 1 lamp with assembly parts.
 Halogen H3 bulb to be ordered separately.

Flood lamp 12 V/55 W



Pilot 150

With forked holder	0 306 484 001¹⁾
With fastening bracket	0 306 484 002

Accessories and spare parts

Headlight unit	1 305 354 911¹⁾
Fastening bracket	1 307 022 236¹⁾
Guard	1 305 540 165¹⁾

Type of bulb

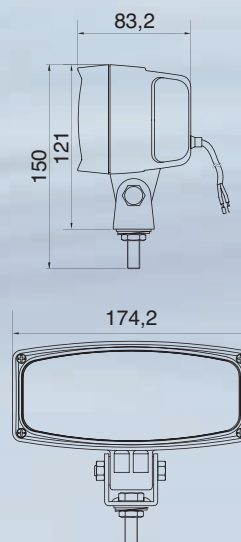
H3	12 V/55 W	1 987 302 031
H3	24 V/70 W	1 987 302 431

¹⁾ Available while stocks last.

Pilot 155

Flood and spot lamps

Halogen



Ideal for anyone with special requirements for their flood or spot lamps. Double beam design, i.e. with two light sources. For 12 V with 55 W output or 24 V with 70 W. Degree of protection IP6K9K.

Lamp housing

Glassfiber reinforced plastic
Dimensions: 121 mm x 174 mm x 83 mm.

Attachment

Upright.

Mounting

With swivel type forked holder for mounting on body or bumper, M 10 studs.

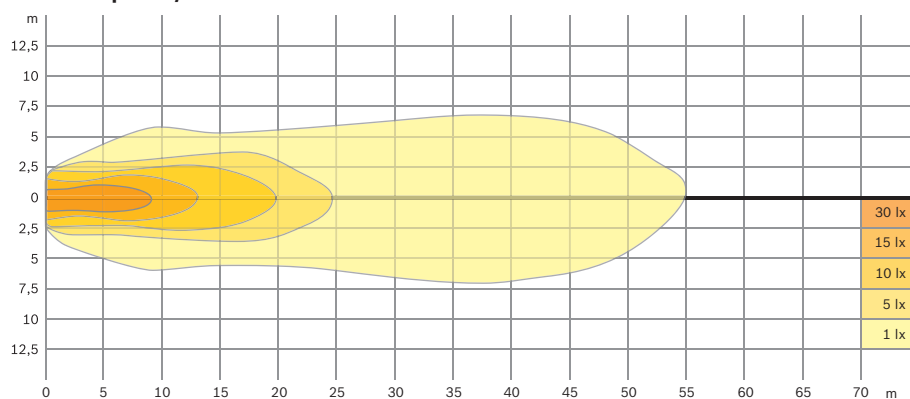
Electrical connection

Cable connection.

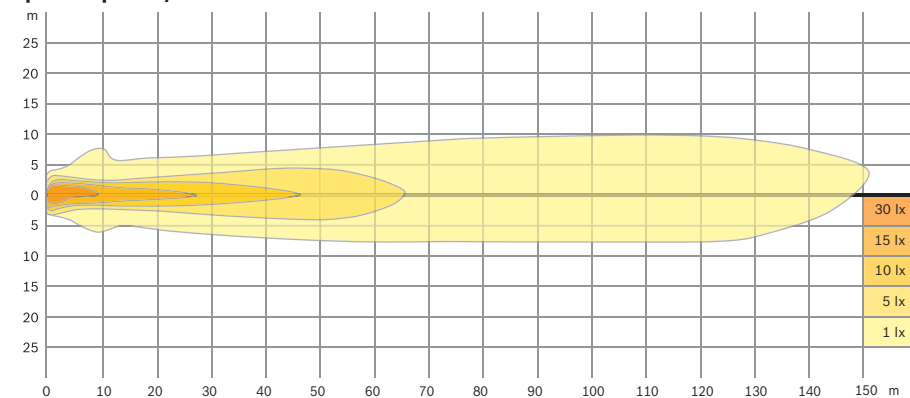
Scope of delivery

Individual packaging:
1 lamp including mounting parts.

Flood lamp 12 V/55 W



Spot lamp 12 V/55 W



① Flood lamp Pilot 155

Double Beam **0 986 310 934**

② Spot lamp Pilot 155

Double Beam **0 986 310 935**

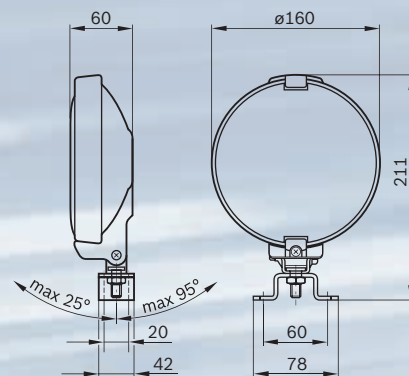
Type of bulb

H3	12 V/55 W	1 987 302 031
H3	24 V/70 W	1 987 302 431

Pilot 160

Flood lamp

Halogen



Flood lamp with fastening bracket for flexible installation. Universal application range. Optimum homogeneous light distribution. Degree of protection IPX4.

Headlamp housing

Fiberglass reinforced plastic, matte black surface.

Headlight unit

Interchangeable.

Mounting

Upright and suspended.

Attachment

With pivoting forked holder for mounting on body or bumper

Pivoting range

25° forwards, 95° to rear, 360° lateral.

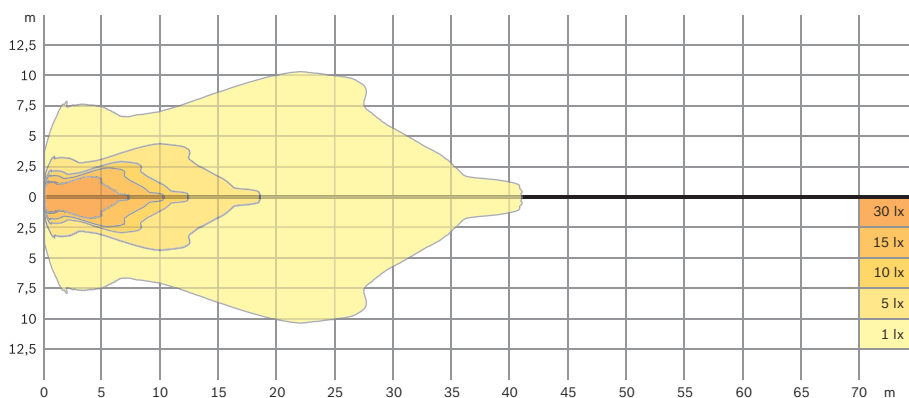
Electrical connection

Cable entry through grommet for single cores.

Scope of delivery

Individual packaging: 1 lamp with assembly parts. Halogen H3 bulb to be ordered separately.

Flood lamp 12 V/55 W



Pilot 160

0 306 680 001¹⁾

Accessories and spare parts

Holder for unit	1 301 091 004
Fastening bracket	1 307 022 236¹⁾

Type of bulb

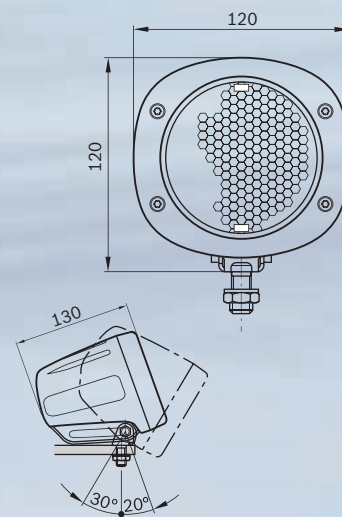
H3	12 V/55 W	1 987 302 031
H3	24 V/70 W	1 987 302 431

¹⁾ Available while stocks last.

Pilot X

Flood lamp

Xenon



The most compact Xenon flood lamp of its type is now available with even more power: 45 Watt of Xenon light similar to daylight. Around 2.5x more light yield than halogen bulbs, around 1/3 lower energy consumption and a longer service life. Integrated D1-type control unit. Degree of protection IPX4K.

Headlamp housing

Fiberglass reinforced plastic. Corrosion-resistant. Dimensions: 130 x 120 x 120 mm.

Mounting

Optionally upright or suspended.

Attachment

Pivoting, corrosion-resistant M10 threaded stud.
Pivoting range 20° forwards, 30° to rear, 360° lateral.
Adjustable by 6 cm in longitudinal axis.

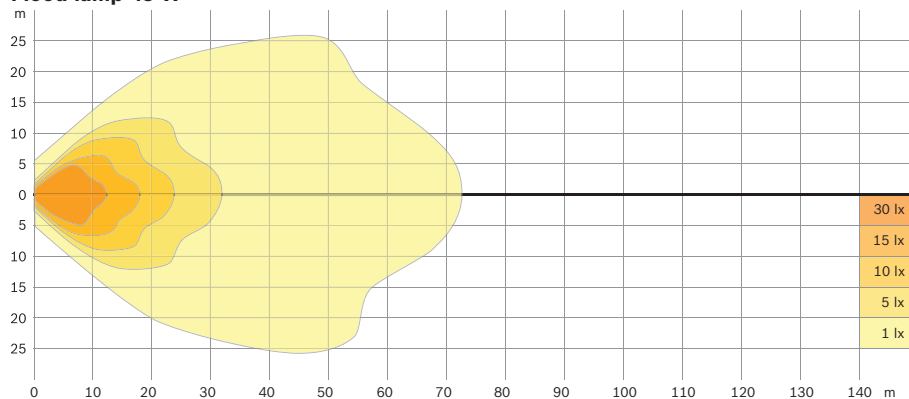
Electrical connection

Connector: 15 cm (mobile).

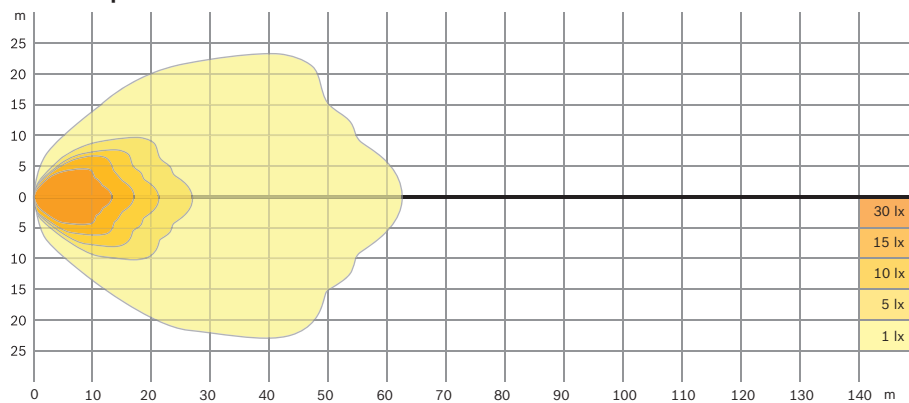
Scope of delivery

Xenon gaseous-discharge lamp, igniter, Xenon control unit. Completely pre-assembled, ready to connect.

Flood lamp 45 W



Flood lamp 35 W



Flood lamp Pilot X	
12 V/45 W	0 986 310 678
24 V/45 W	0 986 310 677
12 V/35 W	0 986 310 676
24 V/35 W	0 986 310 675

Accessories and spare parts	
Controller 12 V/35 W	0 986 310 211
Controller 24 V/35 W	0 986 310 209
Reflector	1 987 305 079
Lens including O-ring	1 987 305 108
Cable 1.000 mm, blue	1 987 305 109

Type of bulb	
D1S	12/24 V / 45 W/35 W 1 987 302 031

Profi 210

Flood lamp

Halogen



Extremely robust with impact-resistant plastic guard. Optionally with handle and switch. Degree of protection IPX4.

Headlamp housing

Steel, black-resincoated, scratch-resistant and non-corroding. Outer rim made of Fiberglass reinforced polyamide, matte black, impact-resistant and fracture-proof.

Lens

Colorless lens, with waterproof bonding to reflector.

Mounting

Upright and suspended.

Attachment

Pivoting, corrosion-resistant fastening bracket with 4 holes for M 6 bolts

Pivoting range

40° forwards, 75° to rear, 360° lateral.

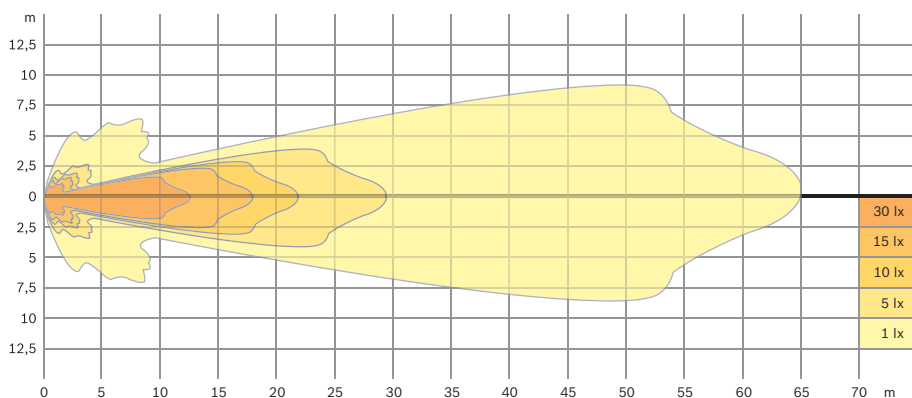
Electrical connection

Single pole (separate ground connection provided), blade-terminal connections, cable entry through rubber grommet.

Scope of delivery

In single pack: 1 lamp with assembly parts. Halogen H3 bulb to be ordered separately. With guard.

Flood lamp 12 V/55 W



Profi 210

Without handle, **0 306 080 003**
without switch

Accessories and spare parts

Guard **1 305 540 933**
Fastening bracket **1 307 022 236¹⁾**

Type of bulb

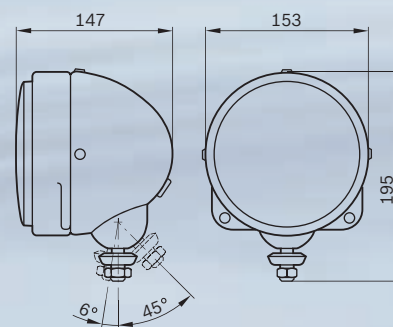
H3	12 V/55 W	1 987 302 031
H3	12 V/100 W	1 987 302 036
H3	24 V/70 W	1 987 302 431

¹⁾ Available while stocks last.

Kiruna 140

Flood lamp

Halogen



Vibration-resistant flood lamp for heavy-duty applications. Degree of protection IP54.

Headlamp housing

Steel, black-resicoated, scratch-resistant and non-corroding.

Headlight unit

Reflector has watertight bond to lens and is mounted in housing with vibration absorbing rubber ring. This results in low transmission of vibration.

Lens

Colorless lens with rectangular fluting.

Mounting

Optionally upright or suspended on horizontal, vertical or angled surfaces.

Attachment

Pivoting, non-corroding M12 threaded stud.

Pivoting range

6° forwards, 45° to rear, 360° lateral.

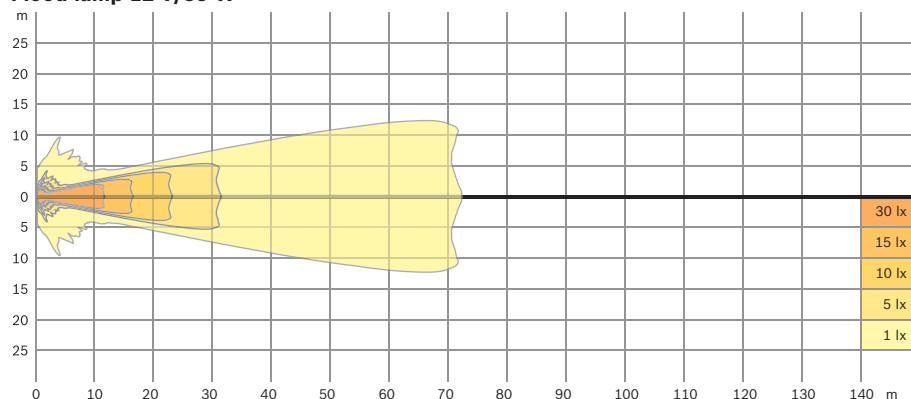
Electrical connection

Single-pole, blade-terminal connection, cable entry through rubber grommet.

Scope of delivery

In single pack: 1 lamp with assembly parts.
Halogen H1 bulb to be ordered separately.

Flood lamp 12 V/55 W



Kiruna 140

0 306 382 001¹⁾

Accessories and spare parts

Headlight unit **1 305 302 021¹⁾**

Type of bulb

H1	12 V/55 W	1 987 302 011
H1	12 V/100 W	1 987 302 016
H1	24 V/70 W	1 987 302 411

¹⁾ Available while stocks last.

Rotating beacons

Range overview



A61-64

Compact LED technology – RKLE LED Compact

Zero-maintenance LED technology for high light output. Low power consumption, minimal risk of breakdown and maximum service life



Form A

Form B

Form D

A65-69

The professional range – RKLE 200

Top quality for the highest standards. Excellent warning action with Bosch OPS reflector



Form A

Form B1

Form B2

Form D

A70-73

The standard range – RE 60

Robust warning lamp for specific applications on construction sites, on the open road and in urban traffic



Form A

Form FLX

Form B

Form D

A74

The special range – RSWA/F

Rotating beacons for use as floodlamps and spot lamps. Rotating beacon light can be directed as required by remote control.



Form B

Rotating beacons

Information



Bosch produces a comprehensive range of high-performance beacons for installation in a wide variety of vehicles. Optimized custom solutions further increase the range of applications. In many situations, reliable and effective warning signals are critical to ensure safety for traffic or for working.

Zero-maintenance LED technology – RKLE LED Compact (Form A, Form B, Form D)

High illumination power, low power consumption, minimal risk of breakdown and maximum service life characterize the rotary beacons in the RKLE LED Compact line. The changing of bulbs becomes a thing of the past with these zero-maintenance and compact RKLE LED Compact lights. The beacons can be combined with one another. They are ideally suited for use in transport vehicles, agricultural and forestry vehicles, roadside assistance, waste disposal, street cleaning, winter service (gritters & snow plows) and municipal vehicles.

The professional range - RKLE 200 (Form A, Form B1, Form B2, Form D)

Top quality for customer groups with exacting demands in terms of warning action and conspicuousness, ease of use and installation, easy single-handed bulb replacement and interference suppression for radio, two-way radio and telephone reception, e.g. fire brigades, haulage companies, road construction departments, rescue services, breakdown and recovery services, mobile cranes and emergency relief services.

The standard range - RE 60 (Form A, Form FLX, Form B, Form D)

Sturdy warning lamps offering attractive value for money for customer groups in hauling, construction and related trades, agriculture and forestry. Benefits include ease of operation and installation, easy one-handed bulb replacement and radio-interference suppression.

The special range - RSWA/F (Form B)

The RSWA/F range of floodlamps and spot lamps provides top performance for the police and emergency services, breakdown and recovery services, agricultural machinery and outdoor applications.

Type-Overview



	RKLE LED	RKLE 200	RE-60	RSWA/F
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Construction

A	•	•	•	–
FLX	–	–	•	–
B1	•	•	•	•
D	•	•	•	–

Cover color

Blue	•	•	–	–
Yellow	•	•	•	–
Red	•	•	–	–
Clear	–	–	–	•

Voltage

12 V	–	•	•	•
24 V	–	•	•	•
12/24 V	•	–	–	–

Approval

Complies with German StVZO	•	•	•	–
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Quality features

Drive system	–	Worm gear	Belt	–
Frequency	2,06 Hz	–	2,66 Hz	–
Rotational speed	–	160 rpm	–	–
Noise level	None	Very low	Medium	–
Interference suppression in acc. with ECE R10	•	•	•	–
Degree of protection as per ISO 20653	IP 66	IP 54K/IP59K	IP 54K/IP59K	IP 55
Warning effect	Maximum	Maximum	Satisfactory	–

- = Standard
- = Possible

RKLE LED Compact Rotating beacon



Use

Due to their long service life, their low energy consumption and their high lighting capacity, the beacons in the RKLE LED Compact line are ideally suited for use in transport vehicles (including heavy-duty applications), agricultural and forestry vehicles, roadside assistance and tow trucks, as well as for waste disposal, road cleaning, winter service (gritters and snow plows), and municipal vehicles.

With their smooth domes, these beacons are also extremely resistant to dirt.

Technology

RKLE LED Compact work with advanced LED technology. That eliminates the need for wearing parts such as vehicle lamps or mobile elements. That extends their service lives and makes them absolutely zero-maintenance and easy to look after.

Several beacons can be combined with one another and can be operated synchronously.

They are suitable for Multivolt use at 12 to 32 Volts with a power consumption of 15 Watts. The 8 LEDs (Cree) operate at a flashing frequency of 2.06 Hertz.

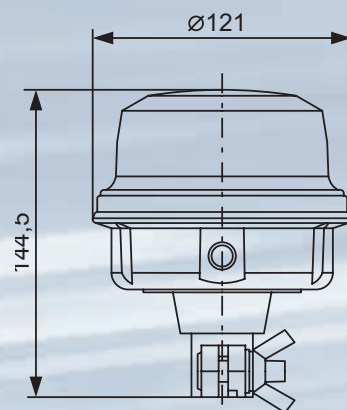
The optimum temperature for operation lies between -40 and +60 degrees Celsius.

Mounting

RKLE LED Compact units are offered in 3 variants:

- Form A
for mounting on a plug-in tube using a screw with butterfly nut (no tools needed).
- Form B
for mounting with self-tapping screws at their base in the hole circle with 130 mm diameter.
- Form D
for flexible mounting with powerful magnets integrated in the lamp. Ideal for short-term applications.

RKLE LED Compact Form A



Scope of delivery

LED lamp, installation instructions.

Form A version in line with ISO 4148

RKLE LED Compact A, yellow	7 782 328 001
RKLE LED Compact A, blue	7 782 328 002

Technical data

Type test in acc. with ECE R65

Yellow TA1 E11 001014

Blue TB1 E11 001015

Weight

kg 0.5

Degree of protection

IP 66

Interference suppression in acc. with ECE R10 (EMV)

Ⓒ 10R-04 2042

Operating position

Upright

Operating voltage

V 12 - 32

Rated input:

W 15

Temperature range

°C -40...+60

Flashing frequency

Hz 2.06

Attachment

On spigot tube with wing nut (no tools)

Accessories

Spigot tube for welding

8 787 022 001

Connected via 2 blade terminals 6.3 mm

8 787 022 019

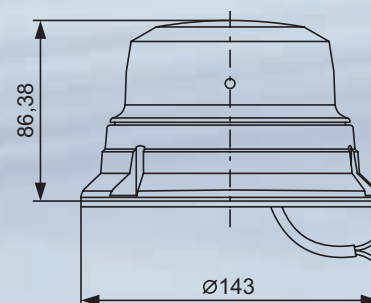
Spigot tube for screw attachment

8 787 022 013

Spigot tube with welded bracket

8 787 022 016

RKLE LED Compact Form B



Scope of delivery

LED lamp, Rubber seal,
installation instructions.

Form B version in line with ISO 4148

RKLE LED Compact B, yellow	7 782 328 003
RKLE LED Compact B, blue	7 782 328 004

Technical data

Type test in acc. with ECE R65

Yellow TA1 E11 001014

Blue TB1 E11 001015

Weight

kg 0.56

Degree of protection

IP 66

Interference suppression in acc. with ECE R10 (EMV)

Ⓒ 10R-04 2042

Operating position

Upright

Operating voltage

V 12 - 32

Rated input:

W 15

Temperature range

°C -40...+60

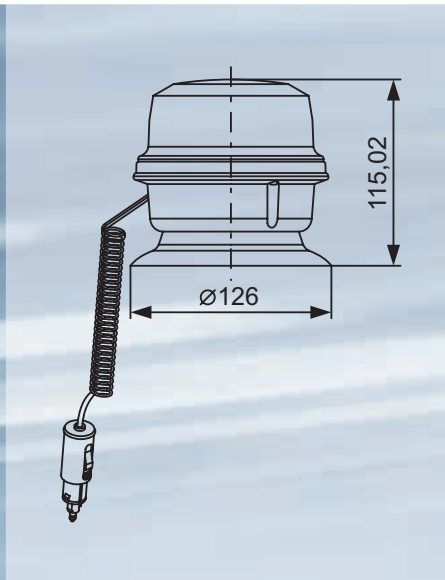
Flashing frequency

Hz 2.06

Attachment

with 3 screws, hole circle dia. 130 mm

RKLE LED Compact Form D



Scope of delivery

LED lamp with magnet, cable and connector, installation instructions.

Form D version in line with ISO 4148

RKLE LED Compact D, **7 782 328 005**
yellow

RKLE LED Compact D, **7 782 328 006**
blue

Technical data

Type test in acc. with ECE R65

yellow TA1 E11 001014

blue TB1 E11 001015

Weight

kg 0.82

Degree of protection

IP 66

Interference suppression

in acc. with ECE R10 (EMC)

Ⓔ 10R-04 2042

Operating position

Upright

Operating voltage

V 12 - 32

Rated input:

W 15

Temperature range

°C -40...+60

Flashing frequency

Hz 2.06

Attachment

Magnet mounting with cables and combination connector, maximum speed 150 km/h

RKLE 200 Rotating beacons



The right range

For mobile or fixed mounting, for vehicles that are only fitted with beacons when specifically required, or for vehicles that are in constant use: Version A in line with DIN 14620/ISO 4148 for mounting on spigot tube, version B1 and B2 in line with DIN 14620/ISO 4148 for fixed installation. All yellow and blue lights are type-tested to ECE R65 and approved for use on public highways. The Bosch OPS reflector¹⁾ ensures optimum utilization and direction of the light beam and provides 40% more light for the same bulb power. The light is propagated accurately by the OPS reflector rather than being dispersed by the cover. This guarantees optimum visibility at close and long range as well as in rough terrain; no scattering loss. This eliminates scattering losses, which would be worsened by dirt. The long-range visibility and high light intensity enables the RKLE 200 to achieve an unrivalled warning effect even in bright sunlight or from a great distance.

The Bosch RKLE 200 – quiet, maintenance-free and long service life.

The RKLE 200 lamps use a worm drive specially developed for continuous operation. Since no wearing parts such as V-belts and collector rings are used, no maintenance is required. The self-lubricating bronze sinter bearing on the motor assures consistently good performance and function over many years.

Quick and easy installation thanks to mounting aids and hollow rubber profiles

The rubber seal between the B1/B2 version rotating beacon and the vehicle simultaneously provides a drilling template for the hole diameter in line with DIN 14620 and ISO 4148. The mounting aids accessible from outside provide quick and unobstructed access to the fixing components. After installation, the mounting aids are sealed with the caps supplied to protect against dirt. This eliminates wind noise and corrosion.

Sophisticated ventilation

The patented new ventilation system with labyrinth seal prevents condensation from forming and misting the cover of the light.

No radio interference

Perfect for vehicles with telephone or 2-way radio. This drive, silent while in operation is RFI-suppressed in accordance with ECE R10.

Bulb replacement made easy

The cover can be removed and the defective bulb exchanged with one hand and without the need for tools.

Securing the cover

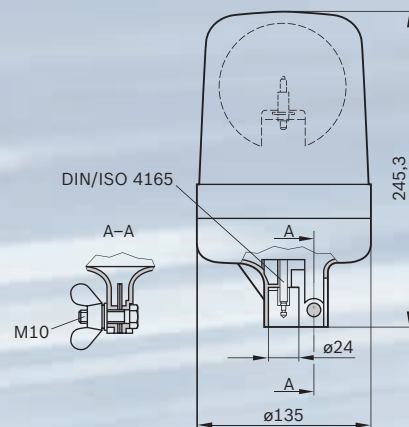
Fit the cover and turn as far as possible in either direction (bayonet lock). It can be opened with or without a tool.

Perfect look – base in vehicle color

You can, of course, paint the glass-fiber-reinforced base in orange or any other color of your choice.

¹⁾ OPS, Optimized plane-parabolic segments = "Flat" segments arranged on a parabola.

RKLE 200 Form A Rotating beacon



Scope of delivery

Lamp including H1 bulb,
installation instructions.

Form A version in line with ISO 4148

RKLE 200 A, 12 V, yellow	7 782 332 020
RKLE 200 A, 24 V, yellow	7 782 334 020
RKLE 200 A, 12 V, blue	7 782 332 220
RKLE 200 A, 24 V, blue	7 782 334 220
RKLE 200 A, 12 V, red	7 782 332 420
RKLE 200 A, 24 V, red	7 782 334 420

Technical data

Type test in acc. with ECE R65

Yellow TA1 E3 007166

Blue TB1 E3 007166

Red TR1 E3 007166

Weight

kg 0.97

Resistance to

Vibration in acc. with DIN 14 620

Temperature in acc. with DIN 14 620

Damp alternating in acc. with DIN 14 620
atmosphere

Corrosion in acc. with DIN 14 620

Degree of protection

IP 54K, 59K

Interference suppression

in acc. with ECE R10 (EMV)

12V: E3 10R-04 1214

24V: E3 10R-04 1213

Operating position

Upright

Temperature range

°C -40...+60

Speed

rpm 160

Technical data

Attachment

On spigot tube with wing nut (no tools)

Spare parts

H1 bulb

12 V/55 W **1 987 302 011**

24 V/70 W **1 987 302 411**

Cover

Yellow **8 785 620 110**

Blue **8 785 620 111**

Red **8 785 620 112**

Reflector

8 785 620 108

Accessories

Spigot tube for welding

8 787 022 001

Connected via 2 blade terminals 6.3 mm

8 787 022 019

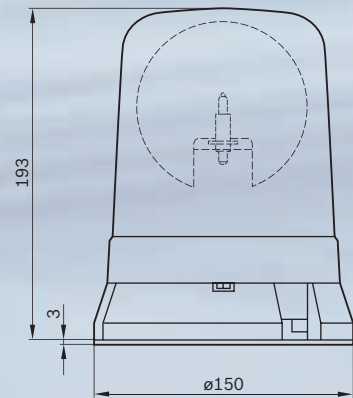
Spigot tube for screw attachment

8 787 022 013

Spigot tube with welded bracket

8 787 022 016

RKLE 200 Form B1 Rotating beacon



Scope of delivery

Lamp including H1 bulb, rubber seal, fastening parts, installation instructions.

Form B1 version in line with DIN 14 620/ISO 4148

RKLE 200 B1, 12 V, yellow	7 782 322 020
RKLE 200 B1, 24 V, yellow	7 782 324 020
RKLE 200 B1, 12 V, blue	7 782 322 220
RKLE 200 B1, 24 V, blue	7 782 324 220
RKLE 200 B1, 12 V, red	7 782 322 420
RKLE 200 B1, 24 V, red	7 782 324 420

Technical data

Type test in acc. with ECE R65

Yellow TA1 E3 007166

Blue TB1 E3 007166

Red TR1 E3 007166

Weight

kg 0.87

Resistance to

Vibration in acc. with DIN 14 620

Temperature in acc. with DIN 14 620

Damp alternating atmosphere in acc. with DIN 14 620

Corrosion in acc. with DIN 14 620

Degree of protection

IP 54K, 59K

Interference suppression

in acc. with ECE R10 (EMV)

12V: E3 10R-04 1214

24V: E3 10R-04 1213

Operating position

Upright

Temperature range

°C -40...+60

Technical data

Speed

rpm 160

Attachment

With 3 bolts, hole circle Ø 130 mm.

Spare parts

H1 bulb

12 V/55 W **1 987 302 011**

24 V/70 W **1 987 302 411**

Cover

Yellow **8 785 620 110**

Blue **8 785 620 111**

Red **8 785 620 112**

Reflector

8 785 620 108

Caps for mounting aids

3 units **8 785 411 296**

Rubber seal

2 mm **8 780 223 011**

Accessories

Hollow rubber profile to compensate for roof slopes and beads

8 780 206 047

Intermediate flange

8 785 110 127¹⁾

Mounting flange

Straight for stand **8 785 110 068¹⁾**

Vehicle stand

LZU 14/5 **7 781 999 001**

LZU 15/5M **7 781 999 015¹⁾**

Plug-in base

For conversion to version A **8 785 110 109**

¹⁾ Available while stocks last.

RKLE 200 Form B2 Rotating beacon



Scope of delivery

Lamp including H1 bulb, rubber seal, fastening parts, installation instructions.

Form B2 version in line with DIN 14 620 / ISO 4148

RKLE 200 B2, 12 V, yellow	7 782 362 020
RKLE 200 B2, 24 V, yellow	7 782 364 020
RKLE 200 B2, 12 V, blue	7 782 362 220
RKLE 200 B2, 24 V, blue	7 782 364 220
RKLE 200 B2, 12 V, red	7 782 362 420
RKLE 200 B2, 24 V, red	7 782 364 420

Technical data

Type test in acc. with ECE R65

Yellow TA1 E3 007164

Blue TB1 E3 007164

Red TR1 E3 007164

Weight

kg 1.54

Resistance to

Vibration in acc. with DIN 14 620

Temperature in acc. with DIN 14 620

Damp alternating atmosphere in acc. with DIN 14 620

Corrosion in acc. with DIN 14 620

Degree of protection

IP 54K, 59K

Interference suppression

in acc. with ECE R10 (EMV)

12V: E3 10R-04 1214

24V: E3 10R-04 1213

Operating position

Upright

Technical data

Temperature range

°C -40...+60

Speed

rpm 160

Attachment

With 3 bolts, hole circle Ø 200 mm.

Spare parts

H1 bulb

12 V/55 W **1 987 302 011**

24 V/70 W **1 987 302 411**

Cover

Yellow **8 785 620 203**

Blue **8 785 620 204**

Red **8 785 620 202**

Reflector

8 785 620 200

Caps for mounting aids

3 units **8 785 411 297**

Rubber seal

2 mm **8 780 223 012**

Accessories

Hollow rubber profile to compensate for roof slopes and beads

8 780 206 048

Intermediate flange

8 785 110 128¹⁾

Mounting flange

Straight for stand **8 785 110 077¹⁾**

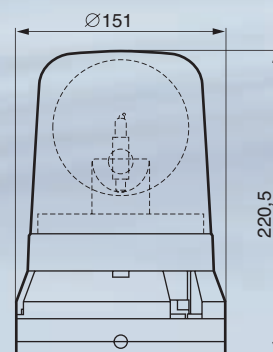
Vehicle stand

LZU 14/5 **7 781 999 001**

LZU 15/5M **7 781 999 015¹⁾**

¹⁾ Available while stocks last.

RKLE 200 Form D Rotating beacon



Scope of delivery

Lamp including H1 bulb, magnet, cable and connector, installation instructions.

Form D version in line with ISO 4148

RKLE 200 D, 12 V, yellow	7 782 372 020
RKLE 200 D, 24 V, yellow	7 782 374 020
RKLE 200 D, 12 V, blue	7 782 372 220
RKLE 200 D, 24 V, blue	7 782 374 220
RKLE 200 D, 12 V, red	7 782 372 420
RKLE 200 D, 24 V, red	7 782 374 420

Technical data

Type test in acc. with ECE R65

Yellow	TA1 E3 007166
Blue	TB1 E3 007166
Red	TR1 E3 007166

Weight

kg	1.64
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Resistance to

Vibration	in acc. with DIN 14 620
Temperature	in acc. with DIN 14 620
Damp alternating atmosphere	in acc. with DIN 14 620
Corrosion	in acc. with DIN 14 620

Degree of protection

IP	54K, 59K
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Interference suppression in acc. with ECE R10 (EMV)

12V: E3 10R-04	1214
24V: E3 10R-04	1213

Operating position

Upright

Temperature range

°C	-40...+60
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Speed

rpm	160
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Attachment

Magnetic attachment with cable (length 0.5 m, extends to 3 m) and combination connector, TÜV tested to 250 km/h

Spare parts

H1 bulb

12 V/55 W	1 987 302 011
24 V/70 W	1 987 302 411

Cover

Yellow	8 785 620 110
Blue	8 785 620 111
Red	8 785 620 112

Reflector

8 785 620 108

Caps for mounting aids

3 units	8 785 411 296
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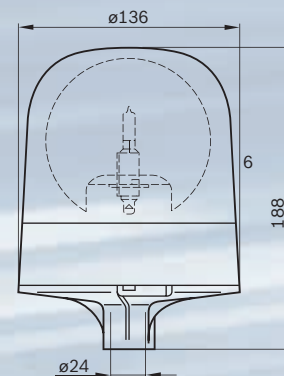
Magnetic stand

8 787 010 015

Spiral cable with connector

0.5 m – extends to 3 m	8 784 460 102
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RE-60 Form A Rotating beacon



Applications

For special vehicles that are only used sporadically on main roads or in city traffic. Sturdy warning lamp offering attractive value for money for customer groups in hauling, construction and related trades, agriculture and forestry. Benefits include ease of operation and installation, easy one-handed bulb replacement and radio-interference suppression.

Drive system

Robust worm drive ensuring reliable starting under extreme operating conditions

Attachment

For attachment to spigot tube with bolt.

Scope of delivery

Lamp including H1 bulb, installation instructions.

Technical data

Cover	
Made of unbreakable polycarbonate. ECE R65 approval for Germany and Europe. Observe national regulations (e.g. StVZO).	
Weight	
kg	0.51
Flash frequency	
Hz	2.66
Degree of protection	
IP	54K, 59K
Warning effect in acc. with ECE R65	
E3 TA1 007165	
Interference suppression in acc. with ECE R10 (EMV)	
E3 10R-04 1215	Allows radio reception with no interference.

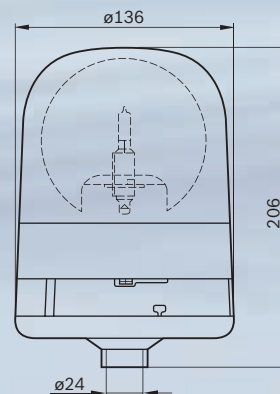
Form A version in line with ISO 4148

RE-60 Form A		
12 V	Yellow	7 782 332 021
24 V	Yellow	7 782 334 021

Spare parts

Cover	
Yellow	8 785 620 300
Reflector	
	8 785 620 301
H21W halogen bulb	
12 V/21 W	1 987 302 264
24 V/21 W	1 987 302 533

RE-60 Form FLX Rotating beacon



Attachment

With flexible holder for attachment to spigot tube.

Scope of delivery

Light including H1 bulb, installation instructions.

Technical data

Cover

Made of unbreakable polycarbonate. ECE R65 approval for Germany and Europe. Observe national regulations (e.g. StVZO).

Weight

kg 0.66

Flash frequency

Hz 2.66

Degree of protection

IP 54K, 59K

Max. inclination in case of obstacle contact

° 90

Warning effect in acc. with ECE R65

E3 TA1 007165

Interference suppression

in acc. with ECE R10 (EMV)

E3 10R-04 1215 Allows radio reception with no interference.

Form FLX version in line with ISO 4148

RE-60 Form FLX

12 V	Yellow	7 782 332 022
24 V	Yellow	7 782 334 022

Spare parts

Cover

Yellow **8 785 620 300**

Reflector

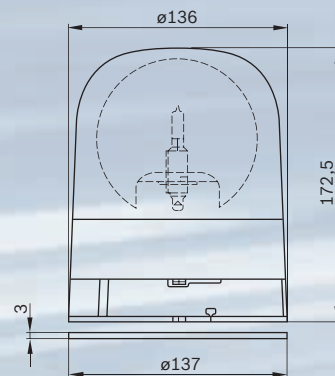
8 785 620 301

H21W halogen bulb

12 V/21 W **1 987 302 264**

24 V/21 W **1 987 302 533**

RE-60 Form B Rotating beacon

**Attachment**

Attached with 3 self-tapping screws 4.2 mm (hole circle Ø 130 mm) or with 3 M6 screws (hole circle Ø 115 mm).

Scope of delivery

Lamp including H1 bulb, rubber seal, installation instructions.

Technical data**Cover**

Made of unbreakable polycarbonate.
ECE R65 approval for Germany and Europe.
Observe national regulations (e.g. StVZO).

Weight

kg 0.48

Flash frequency

Hz 2.66

Degree of protection

IP 54K, 59K

Warning effect in acc. with ECE R65

E3 TA1 007165

Interference suppression**in acc. with ECE R10 (EMV)**

E3 10R-04 1215 Allows radio reception with no interference.

Form B version in line with ISO 4148**RE-60 Form B**

12 V Yellow **7 782 322 021**

24 V Yellow **7 782 324 021**

Spare parts**Cover**

Yellow **8 785 620 300**

Reflector

8 785 620 301

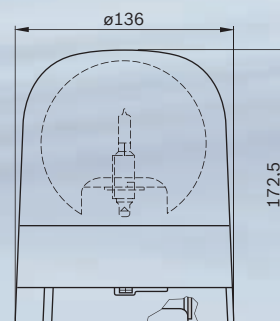
H21W halogen bulb

12 V/21W **1 987 302 264**

24 V/21W **1 987 302 533**

Caps for mounting aids (x3) 8 787 001 322

RE-60 Form D Rotating beacon



Connection

With 3.5 m spiral cable and multi-purpose automotive connector.

Attachment

Attached with strong magnet (approx. 30 kg adhesive force in line with DIN). For vehicle speeds of up to max. 100 km/h.

Scope of delivery

Lamp including H1 bulb, spiral cable with connector, installation instructions.

Technical data

Cover

Made of unbreakable polycarbonate.
ECE R65 approval for Germany and Europe.
Observe national regulations (e.g. StVZO).

Weight

kg 0.93

Flash frequency

Hz 2.66

Degree of protection

IP 54K, 59K

Warning effect in acc. with ECE R65

E3 TA1 007165

Interference suppression

in acc. with ECE R10 (EMV)

E3 10R-04 1215 Allows radio reception with no interference.

Form D version in line with ISO 4148

RE-60 Form D

12 V	Yellow	7 782 372 021
24 V	Yellow	7 782 374 021

Spare parts

Cover

Yellow 8 785 620 300

Reflector

8 785 620 301

H21W halogen bulb

12 V/21 W 1 987 302 264

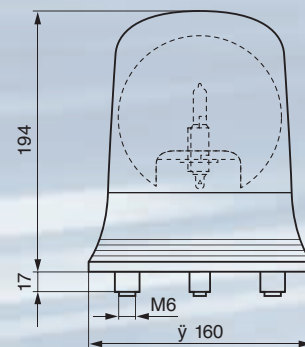
24 V/21 W 1 987 302 533

Accessories

Paint-protection foil for magnet, self-adhesive 8 780 113 024¹⁾

¹⁾ Available while stocks last.

RSWA 100/RSWF 100 Floodlight



Applications

Flood lamp (RSWA) or spot lamp (RSWF) with radio remote control for police, emergency services, breakdown and recovery services, agricultural vehicles and off-road applications.

Design

Fiberglass reinforced plastic, matte black surface. Impact-resistant, non-corroding, and fracture-proof.

Headlight unit

The radio remote control allows targeted direction of the floodlight beam. Simultaneous horizontal and vertical movement allows the operator to quickly adjust the lighting as required, even from a distance (range with unimpaired view approx. 100 m). Coding allows one floodlight to be operated from up to four remote control units. In the same way, one remote control unit can operate different floodlights.

Light distribution

RSWA – large-area, uniform illumination at close range (floodlamp)
RSWF – narrow, high-intensity light beam (spot lamp)

Attachment

Attached with 3 bolts, hole circle $\varnothing$ 130 mm.

Scope of delivery

Lamp including H1 bulb, remote control, 9 Volt battery 6LR61, installation/operating instructions.

Lamp technical data:

Cover	
Polycarbonate	
Weight	
kg	1.13
Current input	
12 V/4.6 A 24 V/2.9 A	
Temperature range	
°C	-20...+50
Horizontal rotation	
°	360 in 12 seconds
Vertical rotation	
°	260 in 24 seconds
Degree of protection	
IP	55

Remote-control technical data:

Frequency	
MHz	433.92
Range	
m	100 with unimpaired view
Weight	
kg	Approx. 0.15
Approval	
CE tested	
EN	60-950, 300-220
Ets	300-000

Design

RSWA 100, 12 V	7 782 319 052
RSWA 100, 24 V	7 782 319 054
RSWF 100, 12 V	7 782 319 062
RSWF 100, 24 V	7 782 319 064

Spare parts

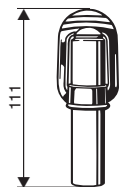
Cover	
Clear	8 785 510 170
Transmitter and holder	
	8 785 520 004
H1 bulb	
12 V/55 W	1 987 302 011
24 V/70 W	1 987 302 411

Accessories

Mounting flange	
Straight, for stand	8 785 110 068¹⁾
Vehicle stand LZU 14/5	7 781 999 001
Vehicle stand LZU 14/5 M	7 781 999 015¹⁾

¹⁾ Available while stocks last.

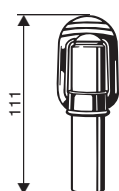
Accessories and spare parts



Spigot tube

For welding, for Form A rotating beacons in line with DIN 14 620 and ISO 4148.
With socket and rain cover. Grounded through housing.

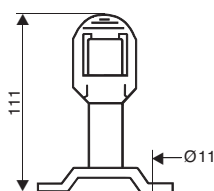
Part number:
8 787 022 001



Spigot tube

As -001, but connected via 2 blade terminals 6.3 mm. With insulating sleeve (Qty. 1).

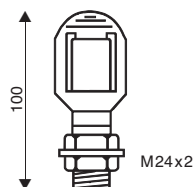
Part number:
8 787 022 019



Spigot tube

With welded bracket for Form A rotating beacons in line with DIN 14 620 and ISO 4148.
For screwing onto the vehicle with 2 screws. With socket and rain cover.

Part number:
8 787 022 016



Spigot tube

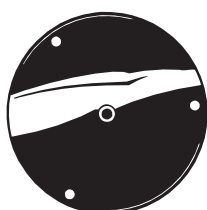
For screw fastening, for Form A rotating beacons in line with DIN 14 620 and ISO 4148.
With socket and rain cover.

Part number:
8 787 022 013

Rain cover

To fit the spigot tubes.

Part number:
8 780 560 000

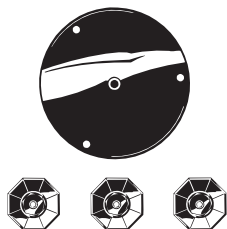


Magnetic stand

For RKLE 200 Form D rotating beacons for speeds of up to 250 km/h.
The use of rotating beacons with additional magnetic base mounting is not approved in Germany (StVZO). Exceptions can be approved by the relevant authorities.
The operator must apply individually.

Part number:
8 787 010 015





3-point magnetic attachment

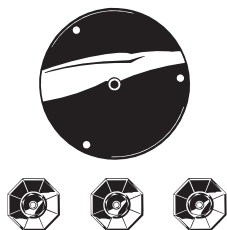
For RKLE Form B1 rotating beacons. For mobile or temporary use.

The magnetic feet are flexibly mounted and thus adapt to the shape of the vehicle body. Supplied with protective foil to prevent damage to the body.

For vehicle speeds of up to max. 80 km/h.

Part number:

8 787 010 011

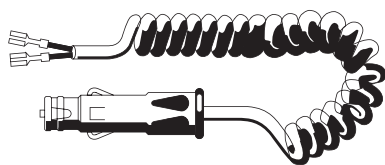


3-point magnetic attachment

As ...011 but with spiral cable (max. length 3 m) and universal connector for vehicle socket or cigarette lighter. For vehicle speeds of up to max. 80 km/h.

Part number:

8 787 010 010

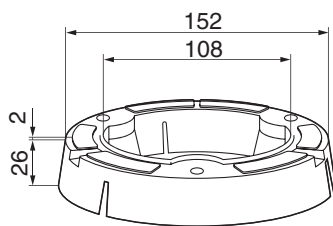


Spiral cable

Complete with universal connector for vehicle socket or cigarette lighter, and connectors. Length 0.5 m, extends to 3 m.

Part number:

8 784 460 102

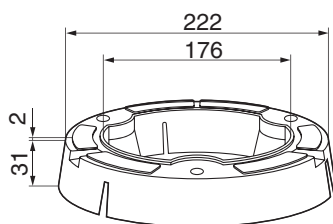


Rubber wedge

For RKLE Form B1 rotating beacons. To compensate for roof slopes.

Part number:

8 780 206 047

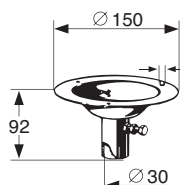


Rubber wedge

For RKLE Form B2 rotating beacons. To compensate for roof slopes.

Part number:

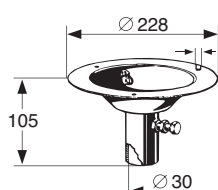
8 780 206 048



Mounting flange, straight

For RKLE Form B1 rotating beacons. For fitting on vehicle stand LZU 14/5.

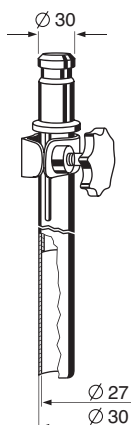
Part number:
8 785 110 068



Mounting flange, straight

For RKLE Form B2 rotating beacons. For fitting on vehicle stand LZU 14/5.

Part number:
8 785 110 077



Vehicle stand LZU 14/5

For attaching headlamps and rotating beacons.

Design: Mounting stud Ø 30 mm in line with DIN 14 640.

Can be used with: Mounting flange 8-785 110 068/077 for rotating beacons.

Extends from 1260 mm to 2160 mm. Lockable with star handle.

Dimensions (W x H): 140 x 1260 mm, weight: 2.8 kg.

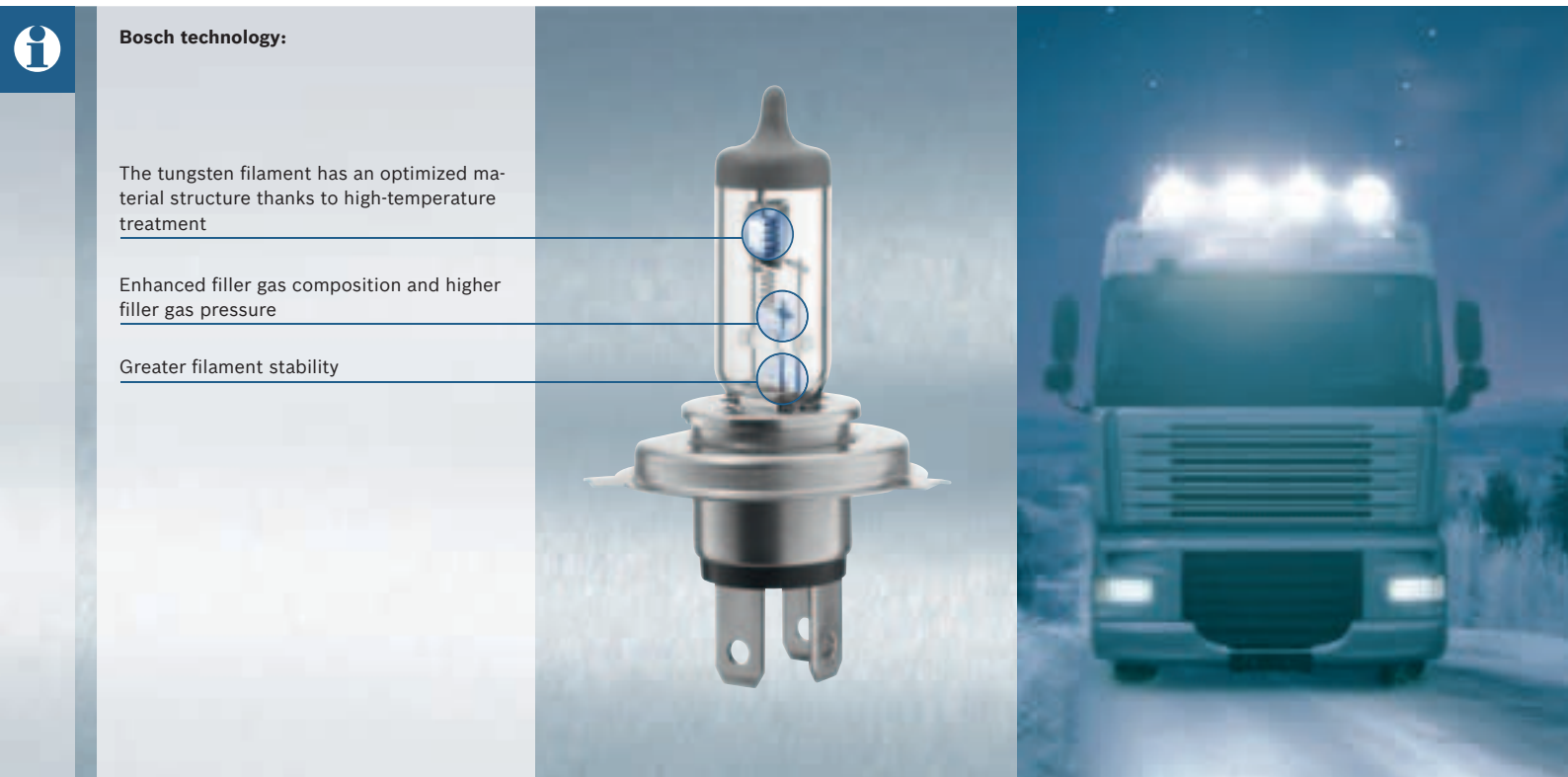
Part number:
7 781 999 001



Mounting flange for bolting to RKLE BKL Form B1

With plug-in base and cable. Allows mounting on spigot tube for Form A.

Part number:
8 785 110 109



Bosch technology:

The tungsten filament has an optimized material structure thanks to high-temperature treatment

Enhanced filler gas composition and higher filler gas pressure

Greater filament stability

Area of application: Commercial vehicles

No doubt about it: Commercial vehicles need particularly powerful lights.

Bosch supply a comprehensive range of 24 V automotive bulbs.

Two product lines cover all requirements and areas of application.

Bosch Trucklight

High-grade materials and precision manufacturing guarantee consistent quality and maximum reliability – bulb for bulb.

In contrast to 12 V halogen bulbs, 24 V truck bulbs have a doubly wound filament for optimum adaptation to commercial vehicle requirements. Automotive bulbs from Bosch are constantly checked under realistic conditions.

This ensures that Bosch Trucklight bulbs fully conform to original equipment standards.

The comprehensive Bosch Trucklight range has just the right bulb for practically every application.

Bosch Trucklight Maxlife

Bosch have always been pioneers in the field of vehicle lighting technology. The Trucklight Maxlife range from Bosch is a good example of the continuous quality enhancement and development process. A long service life and robust design make Trucklight Maxlife from Bosch the professionals' choice of automotive bulb for all sorts of requirements: It is just as ideal for the everyday long motorway journeys of trucks and buses as it is for all commercial vehicles facing the toughest conditions in off-road use.

The Trucklight Maxlife range combines all the essential features for satisfying the most exacting demands:

- Long service life
- Reliability
- High light efficiency
- Robust construction

The special design, high-grade materials, excellent workmanship and stringent quality controls all form the basis for this.

Comprehensive range of 24 V bulbs for commercial vehicles

The Trucklight range from Bosch is available for practically all types of commercial vehicle and covers all requirements and areas of application.

Trucklight:

- Top quality and reliability – conforming to original equipment standards

Trucklight Maxlife:

- Durable and robust for off-road and motorway driving – reliable lighting even under the most challenging usage and road conditions
- Outstanding shock and vibration resistance for a long service life and greater economy



ECE

 $\frac{U}{V}$ $\frac{P}{W}$ 

Trucklight

1 987 302 411	H1	24 V	70 W	P14,5s
1 987 302 421	R2	24 V	55/50 W	P45t
1 987 302 431	H3	24 V	70 W	PK22s
1 987 302 441	H4	24 V	75/70 W	P43t
1 987 302 471	H7	24 V	70 W	PX26d
1 987 302 481	H11	24 V	70 W	PGJ19-2
1 987 302 501	P21W	24 V	21 W	BA15s
1 987 302 504	–	24 V	1,2 W	W2x4,6d
1 987 302 505	R10W	24 V	10 W	BA15s
1 987 302 507	C5W	24 V	5 W	SV8,5-8
1 987 302 508	–	24 V	2 W	BA9s
1 987 302 510	R5W	24 V	5 W	BA15s
1 987 302 527	R5W	24 V	5 W	BA15d
1 987 302 512	T4W	24 V	4 W	BA9s
1 987 302 514	–	24 V	1,2 W	B8,5d
1 987 302 515	–	24 V	1,2 W	B8,3d
1 987 302 516	–	24 V	2 W	W2,1x9,5d
1 987 302 517	W3W	24 V	3 W	W2,1x9,5d
1 987 302 518	W5W	24 V	5 W	W2,1x9,5d
1 987 302 519	–	24 V	3 W	BA7s
1 987 302 520	–	24 V	5 W	SV8,5-8
1 987 302 521	–	24 V	10 W	SV8,5-8
1 987 302 523	–	24 V	18 W	BA15s
1 987 302 524	P21/5W	24 V	21/5 W	BAY15d
1 987 302 526	–	24 V	15 W	BA15s
1 987 302 528	–	24 V	3 W	SV7-8



ECE

 $\frac{U}{V}$ $\frac{P}{W}$ 

Trucklight

1 987 302 532	P21W	24 V	21 W	BA15d
1 987 302 533	H21W	24 V	21 W	BAY9s
1 987 302 535	–	28 V	7 W	BA15s

Trucklight Maxlife

1 987 302 701	P21W	24 V	21 W	BA15s
1 987 302 702	P21W	24 V	21 W	BA15d
1 987 302 703	PY21W	24 V	21 W	BAU15s
1 987 302 704	R5W	24 V	5 W	BA15s
1 987 302 705	R5W	24 V	5 W	BA15d
1 987 302 706	R10W	24 V	10 W	BA15s
1 987 302 707	T4W	24 V	4 W	BA9s
1 987 302 712	H1	24 V	70 W	P14,5s
1 987 302 732	H3	24 V	70 W	PK22s
1 987 302 742	H4	24 V	75/70 W	P43t
1 987 302 772	H7	24 V	70 W	PX26d

Supplementary „Parkpilot“ URF 7 For passenger cars and small vans



Do you ever get the feeling that parking spaces are getting smaller all the time?

And that visibility is becoming more and more of a problem? It doesn't take any time at all to scratch your bumper when getting into and out of parking spaces or maneuvering. Why not get some reliable assistance on board, in the form of the tried and tested Bosch Parkpilot? It "sees" things that are outside the driver's field of vision and provides reliable warnings.

The Bosch Parkpilot means that even tiny parking spaces will not result in the slightest scratch.

- Large detection range – detects even narrow and low objects
- Sensors and contour rings can be painted in bumper color
- Two front-mounted systems are available. To extend the Bosch rear mounted system a front mounted system in addition is fitted as a standard equipment to the rear mounted system.

An exact fit for your vehicle



The sophisticated technology of Bosch's new Parkpilot generation fits into almost any vehicle. The electronic parking assistant can be retrofitted quickly and without major expense, regardless of the brand and model.

Safety for front and rear

Four rear-mounted sensors deliver a wide detection range. Perfect all-round safety is provided by the front-mounted system, which also features four sensors.

Everything in view

The sensors' extensive detection range provides comprehensive safety. At the rear, warnings are emitted at distances below 1.5 m and below 1 m at the front. Even small objects that are difficult to see, such as low flower boxes, wire mesh fences or narrow posts are reliably detected. The system detects obstructions that are outside your field of vision.

Automatically there for you

The Bosch Parkpilot is reliable and is always there for you when you need it. The front and rear system is automatically activated when reverse gear is engaged – providing active all-round safety. The front system can be activated separately by a switch.

Comfort and safety

When it comes to parking, every centimeter counts, particularly in areas you cannot actually see. The Parkpilot makes parking an easy task – even in the smallest spaces. Added comfort: The signal is automatically deactivated when the distance to the obstruction is no longer changing – there is no continuous signal at a standstill.

Spare parts for Park Pilot URF 7



Designation	Spare parts	Part number
4 rear sensors		0 263 009 565
ECU	0 263 004 396	
System wiring harness	6 033 MCO 553	
Sensor wiring harness	0 263 006 179	
Display	0 263 005 030	
Sensor	0 263 009 525	
Fastening kit (sensor) with contour rings	0 263 006 177	
Accessory kit	0 263 006 076	
4 front sensors (only in combination with rear system)		0 263 009 566
System wiring harness	0 263 006 181	
Sensor wiring harness	0 263 006 180	
Display	0 263 005 031	
Sensor	0 263 009 525	
Fastening kit (sensor) with contour rings	0 263 006 177	
Accessory kit	0 263 006 077	
Pushbutton	6 033 MCO 677	
4 front sensors, Stand alone (no rear system necessary)		0 263 009 571
ECU	0 263 004 396	
System wiring harness I	0 263 006 189	
System wiring harness, automatic calibration for front, stand alone system	0 263 006 185	
System wiring harness II, rear for front, stand alone system	0 263 006 184	
Sensor wiring harness	0 263 006 180	
Display	0 263 005 031	
Sensor	0 263 009 525	
Fastening kit (sensor) with contour rings	0 263 006 177	
Accessory kit	0 263 006 188	
Pushbutton	6 033 MCO 677	

Accessories „Parkpilot“ URF 7



Designation	Spare parts	Part number
Accessories URF 7 front and rear		
Extension cable for display, length 1.5 m	0 263 006 093	
Extension cable for sensor wiring harness front 1.5 m	0 263 006 094	
Pushbutton for trailer hitch deactivation	0 341 500 801*	

Spare parts for Park Pilot URF 6



URF 6

	Designation	Spare part
3 rear sensors (for 0 263 009 501)	ECU	0 263 004 396
	System wiring harness	6 033 MC0 553
	Sensor wiring harness	0 263 006 178
	Display	0 263 005 030
	Sensor	0 263 009 525
	Fastening kit (sensor), with contour rings	0 263 006 090
	Accessory kit	0 263 006 076
4 rear sensors (for 0 263 009 502)	ECU	0 263 004 396
	System wiring harness	6 033 MC0 553
	Sensor wiring harness	0 263 006 179
	Display	0 263 005 030
	Sensor	0 263 009 525
	Fastening kit (sensor), with contour rings	0 263 006 075
	Accessory kit	0 263 006 076
2 front sensors (for 0 263 009 503)	System wiring harness	6 033 MC0 554
	Sensor wiring harness	6 033 MC0 549
	Sensor	0 263 009 525
	Fastening kit (sensor), with contour rings	0 263 006 078
	Accessory kit	0 263 006 077
4 front sensors (for 0 263 009 539)	System wiring harness	0 263 006 181
	Sensor wiring harness	0 263 006 180
	Display	0 263 005 031
	Sensor	0 263 009 525
	Fastening kit (sensor), with contour rings	0 263 006 075
	Accessory kit	0 263 006 077
	Pushbutton	6 033 MC0 677
Spare parts	Extension cable for display, length 1.5 m	0 263 006 093
	Extension cable for front sensor wiring harness	0 263 006 094
	Pushbutton for trailer hitch deactivation	0 341 500 801

Horns and fanfares from Bosch

A powerful signal



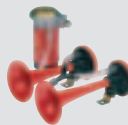
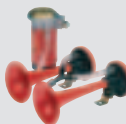
Horns and fanfares are needed in every motor vehicle. Particularly in hazardous situations, they allow the driver to warn other road users.

Bosch has been developing and producing acoustic signaling devices since 1921. Bosch signaling devices are based on these decades of experience and expertise and incorporate innovative technology.

Ultra-reliable functionality and state of the art technologies are their main features. The production sites are subject to stringent inspection and testing procedures, guaranteeing first-class product quality.

Today, numerous well-known vehicle manufacturers throughout the world trust the quality of our signaling devices. Bosch signaling devices provide increased safety on the road.

Vehicle Coverage

Trucks Buses		Loud and mega-loud horns	Compressor fanfares		Pneumatic fanfares		Reversing warning devices	
								
Vans Mini buses		Loud and mega-loud horns		Compressor fanfares				
								
Passenger cars SUVs Pick-ups		FC9	FC4/FD4	Air horns	EC9-EVO	EC9-C	Loud and mega-loud horns	Compressor fanfares
								
Motorbikes		FC4					FC9	
								

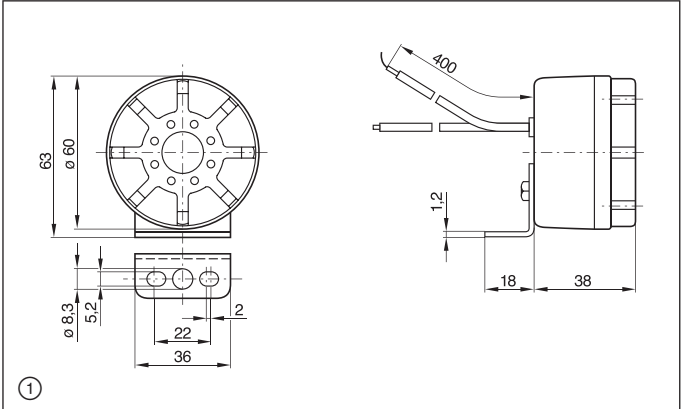
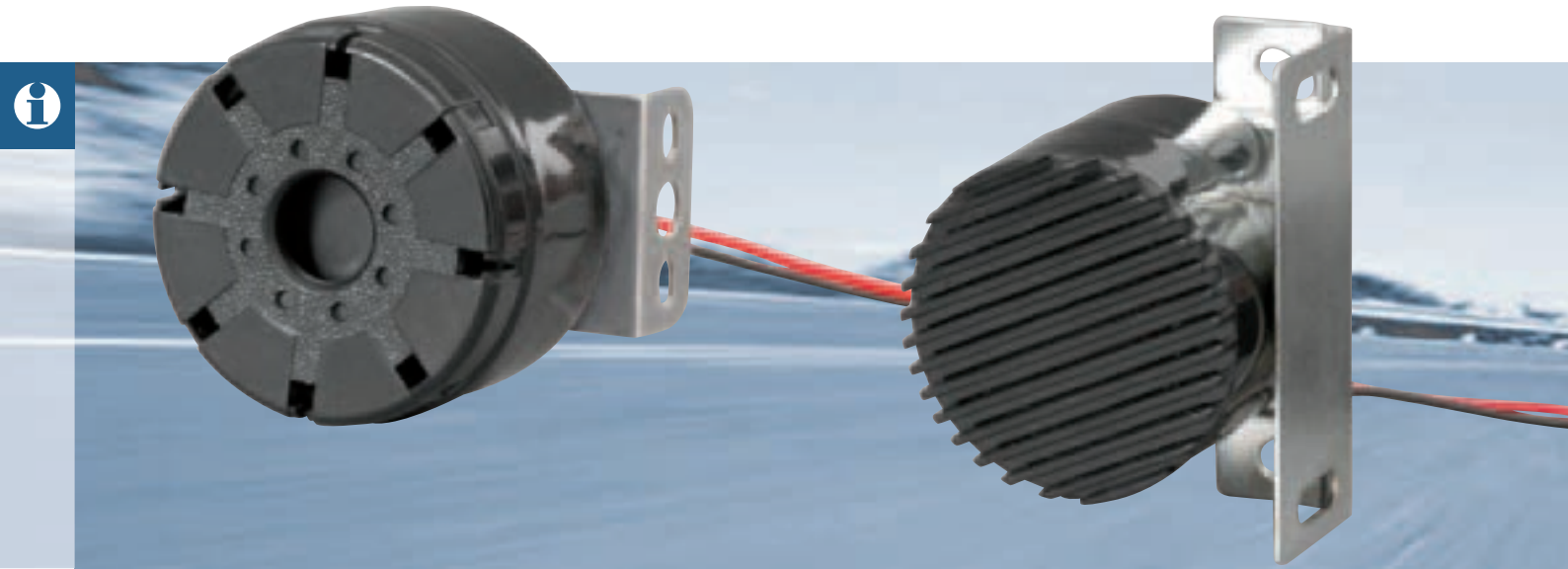
Product Characteristics

		Disc Horns							Fanfare Horns			Compressor Trumpets	
Models		Supertone horn	FC4 Disc Standard	FD4 Disc Duty	FC9	Megatone	Motor-cycle Mini	Piccolo	EC9	EC9C Fanfare Wafer	Windtone	2-3 Tone Air Fanfare	Trucker
Characteristics													
Resistance Factors	Weather-Resistant	✓	✓	✓		✓			✓	✓		✓	
	Impact-Resistant	✓	✓	✓		✓				✓		✓	✓
	Corrosion-Resistant	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
	EMC Protection	✓	✓	✓					✓	✓	✓		
	Teflon Filter	✓	✓			✓			✓	✓			
Design & Tuning Factors	Compact Design							✓		✓		✓*	
	Serviceable						✓						
	Extra-high							✓					
	Privileged Vehicles	✓										✓	
	Suitable for External Mounting	✓		✓		✓							✓

* Mini option available

Backup warning buzzer

Active accident prevention for situations with impeded visibility

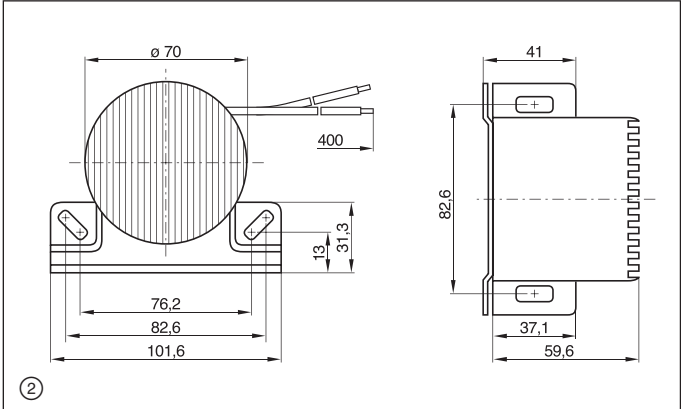


Additional safety for commercial vehicles when maneuvering and reversing in situations with impeded visibility and on construction sites. The backup warning buzzer emits a warning tone as soon as reverse gear is engaged.

Specially suited for construction-site vehicles, cranes, public-service vehicles, forklift trucks, mobile industrial handling machinery and for haulage and bus companies.

Warning! Not all countries allow the use of backup warning buzzers on public roads. National road transport regulations must therefore be observed.

Scope of delivery: 1 backup warning buzzer with 400 mm cable, 2 connectors, fastening elements, installation instructions.



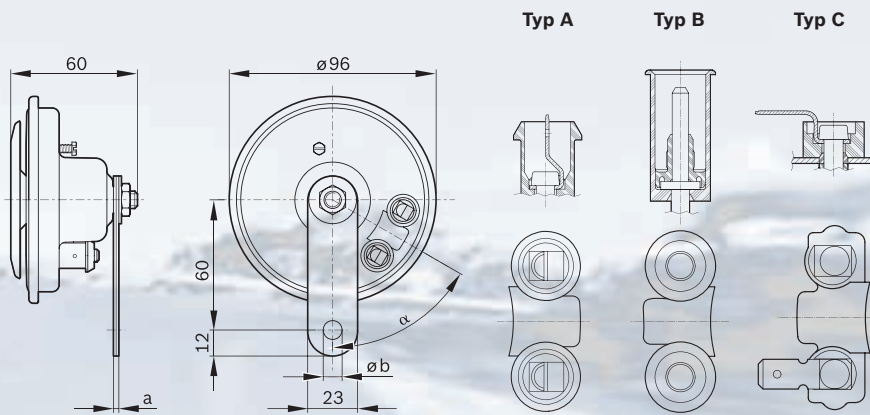
Fixed sound pressure level (Fig. 1)

Nominal voltage	12/24 V
Operating voltage	3.5 ... 30 V
Sound pressure level/1 m	≥ 97 dB
Frequency	3000 ± 200 Hz
Type of tone	Pulsed tone
Degree of protection	IP 67
Order number	0 986 334 001

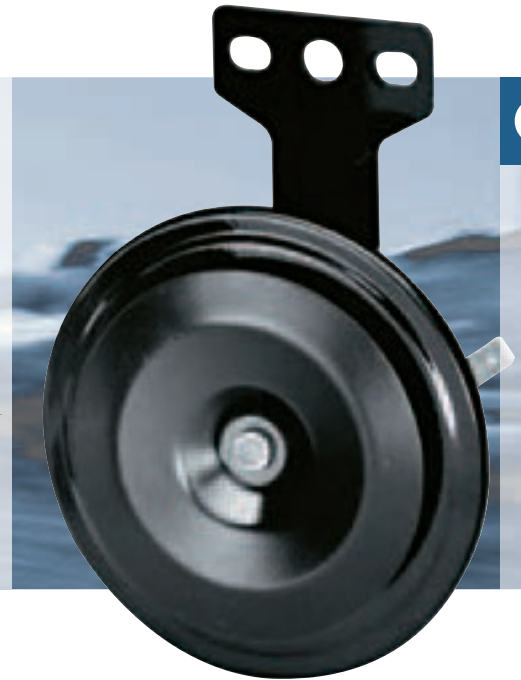
Self-adjusting sound pressure level (Fig. 2)

Nominal voltage	12/24 V
Operating voltage	9 ... 28 V
Sound pressure level/1 m	82 ± 5 dB to 100 dB
Frequency	1000 ± 200 Hz
Type of tone	Pulsed tone
Degree of protection	IP 67
Order number	0 986 334 002

FC4



(Dimensions in the drawing valid for all FC4 signaling devices, for deviations see table)



Application range



Maximum attention

- Penetrating, harsh sound carries for long distances
- Unobstructed forward propagation of sound

Long service life and reliable quality

- Insensitive to rust and stone impact

Maximum functional reliability

- Solid mechanical construction
- Pressure compensation with microporous Teflon filter
- Weather-resistant material

Approved as per EC, ECE and R10 directives

- Including Austria and Switzerland

Powerful tone

- 110 dB (A) at a distance of 2 meters

EMC protection included

Features

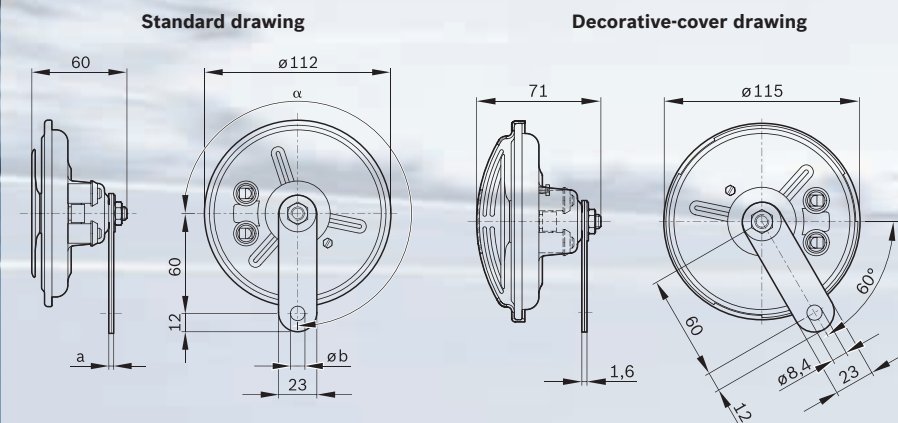
Voltage V	Output W	Frequency Hz	Color	a mm	Ø b mm	α Degrees	Connection	Weight kg	Part number
FC4									
6	30	335	Steel	2.4	Thread M8	275	Type A	0.35	0 986 320 101 □
6	30	335	Black	1.6	8.4	175	Type A	0.35	0 986 320 102 □
12	60	335	Steel	2.4	Thread M8	90	Type A	0.35	0 986 320 111 □
12	60	335	Steel	1.6	8.4	60	Type A	0.35	0 986 320 132 □ ¹⁾
12	60	335	Steel	1.6	8.4	275	Type A	0.35	0 986 320 146 □
12	60	335	Steel	1.6	10.5	90	Type A	0.35	0 986 320 112 □
12	60	335	Black	1.6	8.4	60	Type A	0.35	0 986 320 137 □
12	60	335	Black	2.4	8.4	100	Type A	0.35	0 986 320 188 □
12	60	335	Black	2.4	8.4	300	Type A	0.35	0 986 320 131 □
12	60	335	Black	1.6	8.4	285	Type B	0.35	0 986 320 148 □
12	60	335	Black	1.6	8.4	180	Type A	0.35	0 986 320 113 □
12	60	335	Black	2.0	8.4	60	Type C	0.35	0 986 320 110 ²⁾
12	60	335	Black	1.6	8.4	300	Type A	0.35	0 986 320 136 □ ³⁾
12	60	420	Steel	1.6	8.4	90	Type A	0.35	0 986 320 147 □
12	60	420	Steel	1.6	8.4	300	Type A	0.35	0 986 320 133 □ ¹⁾
12	60	420	Steel	2.4	8.7	100	Type A	0.35	0 986 320 140 □
12	60	420	Black	1.6	8.4	285	Type B	0.35	0 986 320 149 □
12	60	420	Black	1.6	8.4	270	Type A	0.35	0 986 320 114 □
12	60	335	Steel	2.4	Thread M8	90	Type A	0.35	0 986 320 130 □
12	60	420	Steel	1.6	8.4	270	Type A	0.35	0 986 320 135 □
12	60	420	Steel	1.6	8.4	300	Type C	0.35	0 986 320 151 □
12	60	335	Steel	2.4	Thread M8	90	Type A	0.35	0 986 320 187 □
12	60	335	Steel	1.6	8.4	180	Type A	0.35	0 986 320 206 □

Sets

Set consisting of 0 986 320 132 and 0 986 320 133	0 986 320 191 □ ¹⁾
Set consisting of high and low tone pre-fitted on 1 bracket	0 986 320 154 □

□ SB packaging for sales-promoting POS appearance ¹⁾ No EMC protection ²⁾ Three-point mounting ³⁾ Steel tone disk

FD4



(Dimensions in the drawing valid for all FD4 signaling devices, for differences see table)



Connections as for FC4, see previous page

Application range



Maximum attention

- Penetrating, harsh sound carries for long distances
- Unobstructed forward propagation of sound

Long service life and reliable quality

- Insensitive to rust and stone impacts

Maximum functional reliability

- Solid mechanical construction
- Weather-resistant material

Approved as per EC, ECE and R10 directives

- Including Austria and Switzerland

Attractive grill design

- Suitable for external mounting

Powerful tone

- 110 dB (A) at a distance of 2 meters

EMC protection included

Features

Voltage V	Output W	Frequency Hz	Color	a mm	Ø b mm	α Degrees	Connection ¹⁾	Weight kg	Part number
FD4									
12	60	335	Steel	1.6	8.4	60	Type A	0.36	0 986 320 310 □
12	60	420	Steel	1.6	8.4	300	Type A	0.36	0 986 320 311 □
24	60	335	Steel	1.6	8.4	270	Type A	0.36	0 986 320 301 □
24	60	420	Steel	1.6	8.4	60	Type A	0.36	0 986 320 302 □
24	60	335	Black	2.4	8.4	90	Type A	0.36	0 986 320 314 □
24	60	335	Black	1.6	8.4	270	Type A	0.36	0 986 320 317 □
24	60	335	Black	2.4	8.4	270	Type A	0.36	0 986 320 351 □
24	60	335	Black	2.4	10.5	155	Type B	0.36	0 986 320 312 □
24	60	420	Black	2.4	8.4	60	Type A	0.36	0 986 320 316 □
24	60	420	Black	2.4	8.4	155	Type B	0.36	0 986 320 313 □
24	60	420	Steel	1.6	8.4	300	Type A	0.36	0 986 320 304 □

FD4 with decorative cover

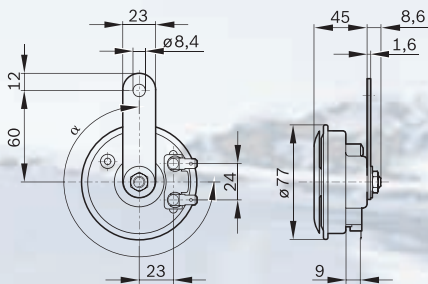
12	60	335	Steel	1.6	8.4	60	Type A	0.4	0 986 320 306 □
12	60	420	Steel	1.6	8.4	60	Type A	0.4	0 986 320 307 □

Set

Set consisting of high and low tone 0 986 320 310 and 0 986 320 311	0 986 320 392 □
Set consisting of high and low tone 0 986 320 301 and 0 986 320 302	0 986 320 394 □
Set consisting of high and low tone 0 986 320 306 and 0 986 320 307	0 986 320 393 □

□ SB packaging for sales-promoting POS appearance ¹⁾ Connections identical to FC4

FC9



(Dimensions in the drawing valid for all FC9 signaling devices, for differences see table)



Application range



High functional reliability

- Solid mechanical construction
- Use of weather-resistant materials

Long service life and reliable quality

- Insensitive to rust and stone impacts

Easy fitting in minimal space

- 25% smaller and lighter than normal-tone horns

Approved as per EC, ECE and R10 directives

Powerful tone

- 110 dB (A) at a distance of 2 meters

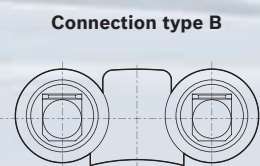
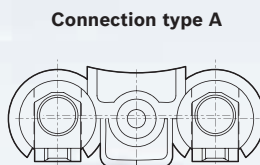
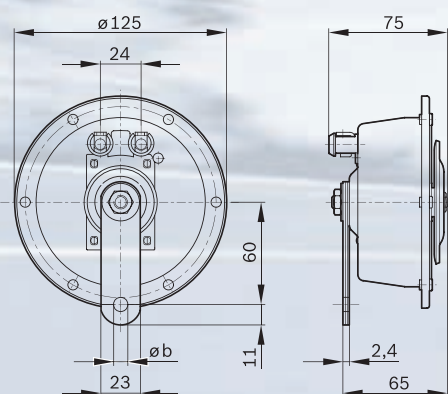
Features

Voltage V	Output W	Frequency Hz	Color	Ø b mm	α Degrees	Weight kg	Part number
FC9							
12	50	335	Steel	8.4	270	0.21	9 320 332 803
12	50	420	Steel	8.4	90	0.21	9 320 332 804
24	50	420	Steel	8.4	270	0.21	6 033 FB4 103
24	50	335	Steel	8.7	90	0.21	6 033 FB4 174

Sets

Set consisting of high and low tone 9 320 332 803 and 9 320 332 804	9 320 332 802
Set consisting of high and low tone 6 033 FB4 102 and 6 033 FB4 103	6 033 FB4 147

Supertone horn



(Dimensions in the drawing valid for all supertone horns, for differences see table)



Application range



Maximum attention

- Penetrating, harsh sound carries for long distances
- Unobstructed forward propagation of sound

Long service life and reliable quality

- Insensitive to rust and stone impacts

Maximum functional reliability

- Solid mechanical construction
- Pressure compensation with microporous Teflon filter
- Weather-resistant material

Approved as per EC, ECE and R10 directives

- Including Austria and Switzerland

Powerful tone

- 110 dB (A) at a distance of 2 meters

EMC protection included

Features

Voltage V	Output W	Frequency Hz	Color	Ø b mm	Connection	Weight kg	Part number
Supertone horn standard							
12	60	300	Black / silver	10.5	Type A	0.9	0 320 223 021 □
12	60	375	Black / silver	10.5	Type A	0.9	0 320 223 022 □
24	60	300	Black / silver	10.5	Type A	0.9	0 320 226 007 □
24	60	375	Black / silver	10.5	Type A	0.9	0 320 226 008 □
24	60	500	Black / silver	10.5	Type A	0.9	0 320 226 009 □
12	60	375	Black	8.4	Type B	0.9	0 320 223 201 □
12	60	375	Black	10.5	Type B	0.9	0 320 223 011 □
12	60	500	Black	10.5	Type B	0.9	0 320 223 012 □
24	60	375	Black	10.5	Type A	0.9	0 320 226 010 □
24	60	375	Black	10.5	Type B	0.9	0 320 226 011 □
24	60	500	Black	10.5	Type B	0.9	0 320 226 012 □

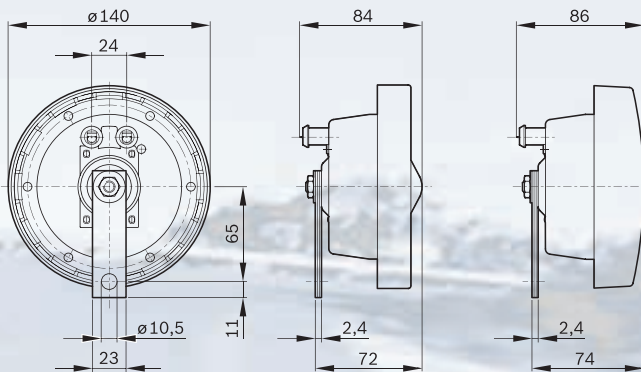
Supertone horn with decorative ring for priority vehicles (police, fire-fighting, ambulance etc.)

12	60	375	Black	10.5	Type A	0.9	0 320 223 002 □
12	60	500	Black	10.5	Type A	0.9	0 320 223 003 □
24	60	375	Black	10.5	Type A	0.9	0 320 226 002 □
24	60	500	Black	10.5	Type A	0.9	0 320 226 003 □

Tone-sequence switch for controlling the interval tone for priority vehicles

12	0 335 411 015 □
24	0 335 411 016 □

□ SB packaging for sales-promoting POS appearance



Application range



Maximum attention

- Penetrating, harsh sound carries for long distances
- Unobstructed forward propagation of sound

Long service life and reliable quality

- Insensitive to rust and stone impacts

Maximum functional reliability

- Solid mechanical construction
- Pressure compensation with microporous Teflon filter
- Weather-resistant material

Approved as per EC, ECE and R10 directives

- Including Austria and Switzerland

Powerful tone

- 110 dB (A) at a distance of 2 meters

EMC protection included

Features

Voltage V	Output W	Frequency Hz	Color	Connection	Weight kg	Part number
Supertone horn with decorative ring						
12	60	300	Silver	Type A	0.95	0 320 223 016 □
12	60	375	Silver	Type A	0.95	0 320 223 017 □
24	60	300	Silver	Type A	0.95	0 320 226 016 □
24	60	375	Silver	Type A	0.95	0 320 226 017 □

Supertone horn with decorative grill

12	60	300	Black	Type A	0.95	0 320 223 804 □
12	60	375	Black	Type A	0.95	0 320 223 805 □
24	60	300	Black	Type A	0.95	0 320 226 004 □
24	60	375	Black	Type A	0.95	0 320 226 005 □
12	60	300	Chromium-plated	Type A	0.95	0 320 223 144 □
12	60	375	Chromium-plated	Type A	0.95	0 320 223 145 □
12	60	300	Black	Type A	0,95	0 320 223 024 □
12	60	375	Black	Type A	0,95	0 320 223 025 □

Sets

Set consisting of high and low tone 0 320 223 016 and 0 320 223 017	0 320 223 911 □
Set consisting of high and low tone 0 320 223 804 and 0 320 223 805	0 320 223 910 □

Supertone horn with decorative ring for priority vehicles (police, fire-fighting, ambulance etc.)

12		375	Silver	Type A	0.95	0 320 223 008 □
12		500	Silver	Type A	0.95	0 320 223 009 □

Tone-sequence switch for controlling the interval tone for priority vehicles

12					0.95	0 335 411 015 □
24					0.95	0 335 411 016 □

□ SB packaging for sales-promoting POS appearance

Megatone



Application range



Penetrating signal tone

- ▶ 118 dB (A) signal tone with long range

Attractive design

- ▶ High-quality chromium-plated protective grill
- ▶ Suitable for visible mounting

Maximum functional reliability

- ▶ Optimum-quality diaphragm and contact points

Tested quality

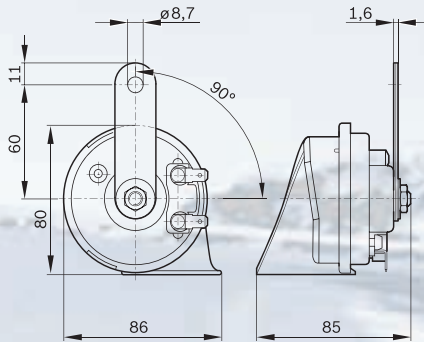
- ▶ Type-tested under EU directives

EMC protection included

Features

Voltage V	Output W	Frequency Hz Low tone/ High tone	Color	Weight	Part number
Megatone					
Set consisting of 0 986 AH0 201 and 0 986 AH0 202	48	325/400	Silver	1.2	0 986 AH0 203

EC9 – EVO



Application range



Maximum attention

- Soft melodic sound, even over long distances
- Unobstructed forward propagation of sound

Long service life and reliable quality

- Insensitive to rust and stone impacts

Maximum functional reliability

- Fracture-proof and corrosion-free plastic trumpet
- Pressure compensation with microporous Teflon filter
- Vibration-resistant

Powerful tone

- 110 dB (A) at a distance of 2 meters

EMC protection included

Approved as per EC, ECE and R10 directives

Features

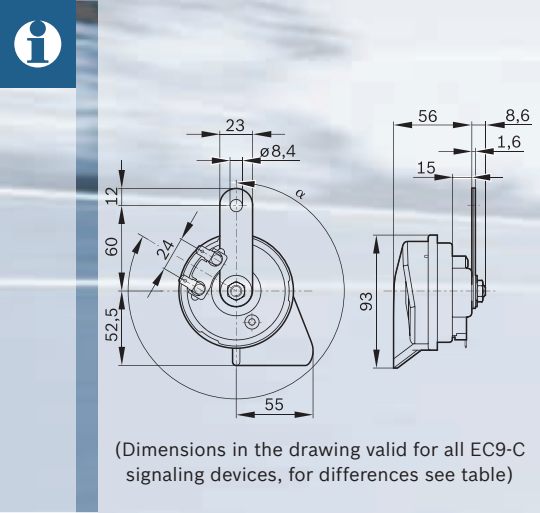
Voltage V	Output W	Frequency Hz	Color	Weight kg	Part number
Fanfare EC9					
12	60	420	Black	0.31	6 033 FB2 011 ¹⁾
12	60	510	Black	0.31	6 033 FB2 012 ¹⁾
12	60	420	Black	0.31	6 033 FB1 213 ²⁾
12	60	510	Black	0.31	6 033 FB1 214 ²⁾
12	60	420	Red	0.31	9 320 335 111 ¹⁾
12	60	510	Red	0.31	9 320 335 112 ¹⁾
12	60	420	Chromium-plated	0.31	6 033 FB1 194 ¹⁾
12	60	510	Chromium-plated	0.31	6 033 FB1 195 ¹⁾
12	60	510	Black	0.24	6 033 FB1 234

Sets

Set consisting of 9 320 335 012 and 9 320 335 013	0.62	9 320 335 007 ☐
Set consisting of 6 033 FB1 213 and 6 033 FB1 214	0.62	6 033 FB1 217 ☐
Set consisting of 9 320 335 111 and 9 320 335 112	0.62	9 320 335 113 ☐
Set consisting of 6 033 FB1 194 and 6 033 FB1 195	0.62	6 033 FB1 193 ☐
Set consisting of relays, small parts and fitting instructions, in black	0.62	9 320 335 052 ☐

☐ SB packaging for sales-promoting POS appearance ¹⁾ Galvanized housing ²⁾ Housing painted black

EC9-C



Application range



Maximum attention

- High volumes achieved in direction of travel

Long service life and reliable quality

- Insensitive to rust and stone impacts

Upright installation

- Upright installation trumpet underneath
- Can be used as replacement for horns
- Particularly suitable for restricted installation conditions

Powerful tone

- 110 dB (A) at a distance of 2 meters

EMC protection included

Approved as per EC, ECE and R10 directives

Features

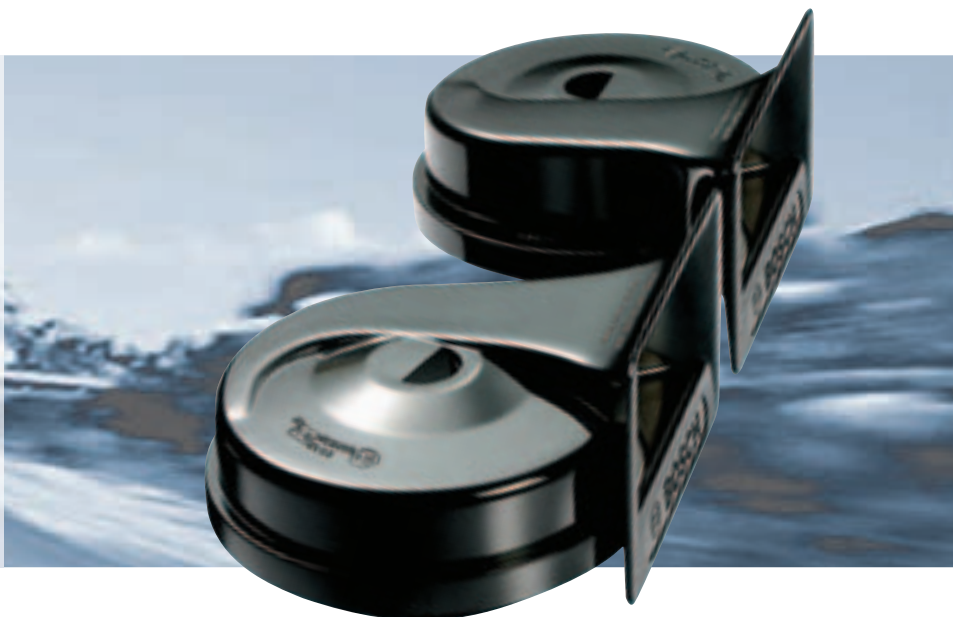
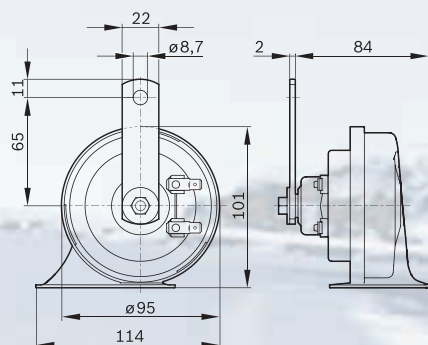
Voltage V	Output W	Frequency Hz	Color	α Degrees	Weight kg	Part number
Fanfare EC9-C						
12	60	420	Black	60	0.2	9 320 335 207
12	60	510	Black	300	0.2	9 320 335 208
12	60	420	Chromium-plated	60	0.2	6 033 FB1 505
12	60	510	Chromium-plated	300	0.2	6 033 FB1 506

Sets

Set consisting of 9 320 335 207 and 9 320 335 208	9 320 335 206 ☐
Set consisting of 6 033 FB1 505 and 6 033 FB1 506	6 033 FB1 510 ☐

☐ SB packaging for sales-promoting POS appearance

Windtone



Application range



Audible safety

- Always a penetrating, pure warning tone even under the toughest of conditions

Long service life and reliable quality

- Optimum-quality diaphragm and contact points

Tested quality

- Approved as per ECE standards

Powerful tone

- 110 dB (A) at a distance of 2 meters

EMC protection included

Features

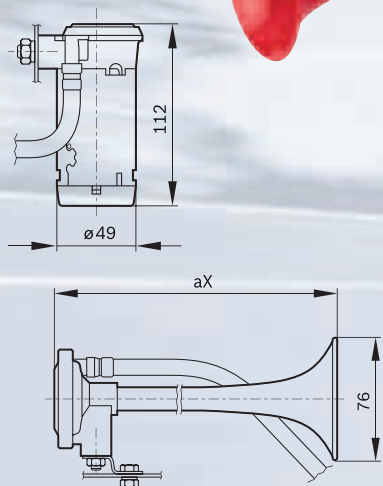
Voltage V	Output W	Frequency Hz	Color	Part number
Windtone				
12	60	420	Black	0 986 AH0 501
12	60	500	Black	0 986 AH0 502
12	60	420	Red	0 986 AH0 505
12	60	500	Red	0 986 AH0 506

Sets

Set consisting of 0 986 AH0 501 and 0 986 AH0 502	0 986 AH0 503 ☐
Set consisting of 0 986 AH0 505 and 0 986 AH0 506	0 986 AH0 507 ☐

☐ SB packaging for sales-promoting POS appearance

Compressor fanfare



Application range



Full power of 117 dB (A)

- Effective and harmonious sound in city and rural traffic

The best ratio between size and performance

- The best acoustic efficiency currently on the market

Compressor included

- Powerful and maintenance-free

Maximum functional reliability

- Impact-proof and weather-resistant plastic trumpet

Fast response time

- Between pressing the horn and hearing the tone

Easy fitting

- Quick installation thanks to two-hole mounting and blade terminal

Features

Voltage V	Output W	Frequency 1 Hz	Frequency 2 Hz	Frequency 3 Hz	a1 mm	a2 mm	a3 mm	Weight kg	Part number
Mini compressor fanfares									
12	240	795	840	–	166	158	–	0.7	0 986 320 003 ☐
Two-tone compressor fanfares									
12	240	630	795	–	217	166	–	0.7	0 328 003 024 ☐
24	240	630	795	–	217	166	–	0.7	0 328 006 002 ☐
Three-tone compressor fanfares									
12	240	630	795	840	217	166	158	0.8	0 328 003 025 ☐
Replacement compressor									
12	240								0 986 320 395
24	240								0 986 320 396

☐ SB packaging for sales-promoting POS appearance

Compressor fanfare - Airmaster



Application range



Powerful sound

- Loud noise without a time lag
- 115 dB (A) at a distance of 2 meters

Long service life and dependable quality

- Specially designed air inlet to protect against corrosion and wear

Tested quality

- Approved in acc. with ECE standards

Electro-pneumatic horn

- Compact shape without connecting hoses
- Integrated compressor

Rapid and simple assembly

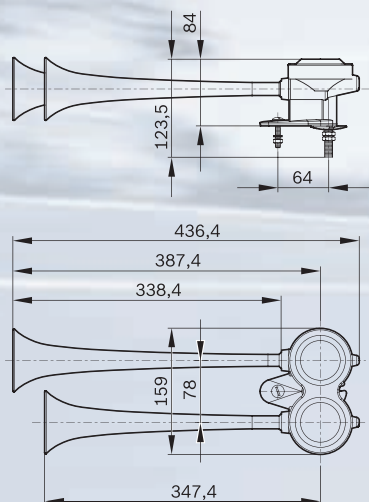
- Assembly with just one retaining screw and without connecting hoses

Features

Voltage V	Output W	Frequency 1 Hz	Frequency 2 Hz	a1 mm	a2 mm	a3 mm	Weight kg	Part number
compressor fanfares Airmaster								
12	240	520	660	136	91	115	0,7	0 986 320 400 ☐
24	240	520	660	136	91	115	0,7	0 986 320 401 ☐

☐ SB packaging for sales-promoting POS appearance

Compressed-air fanfare



Application range



Maximum attention

- ▶ with penetrating two-tone signal audible over long distances

Long service life and reliable quality

- ▶ Insensitive to rust and stone impacts

Attractive design

- ▶ Two chromium-plated metal trumpets with black base

Approved as per German StVZO (FMVSS/CUR) and EC directives

Powerful tone

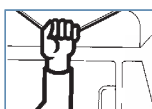
- ▶ 118 dB (A) at a distance of 2 meters

Secure mounting

- ▶ Secured and fixed anchorage using two-point mounting



①



②



③



Features

Pressure range bar	Volume dB (A)	Frequency Hz	Color	Connection	Weight kg	Part number
5 ... 8	118	300 / 320	Chromium-plated	for on-board compressor	1.2	0 328 100 002 □

Compressed-air fanfare

Accessories

Description	Fitting	Illustration	Part number
Foot valve:	Fitted on floor of driver's cabin. Operated by foot pressure.	1	1 327 011 003
Pull valve:	Fitted on roof of driver's cabin. Operated by pulling.	2	1 327 011 004
Electric valve (24V):	Fitted in engine compartment. Operated using existing horn button.	3	1 327 011 002

Accessories for horns and fanfares (order separately)

Protects connections against dirt and moisture to increase weather resistance	3 340 522 025 ¹⁾
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□ SB packaging for sales-promoting POS appearance ¹⁾ Two units must be ordered for horns

[illegible]

Battery charger

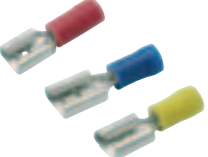
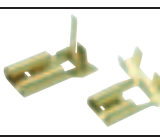


Figure	Type	Part number
Battery charger C1 	Nominal specification (primary) Nominal voltage: 220–240 V~ 50/60 Hz Cutin current: < 50 A Calculation input voltage: max. 0.6 A (Effective value) Rated input: 60 W	0 189 999 01M
	Nominal specification (secondary) Calculation voltage: 12 V Charge voltage: 14,7 V (±0,25 V) Charging current: 3.5 A (±10%) Rated current: 3.5 A Ripple ondulation: max. 150 mV Return current: < 5 mA (no AC-input) Degree of protection: IP 65 (dust-protected, waterproof) Battery type: 12 V lead-acid battery (EFB, GEL, MF, Open and VRLA) Battery capacity: 12 V: 5 Ah –120 Ah Noise level: < 50 dB Surrounding temperature: 0 to 40 °C Accessories: In scope of delivery	0 189 999 130
Battery charger C3 	Nominal specification (primary) Nominal voltage: 220–240 V~ 50/60 Hz Cutin current: <50 A Calculation input voltage: max. 0.6 A (Effective value) Rated input: 60 W	0 189 999 03M
	Nominal specification (secondary) Calculation voltage: 6 V/12 V Charge voltage: 7.2 V (±0.25 V) 14.4 V (±0.25 V) 14.7 V (±0.25 V) Charging current: 0.8 A (±10%) 3.6 A (±10%) 3.8 A (±10%) Rated current: 0.8 A/3.8 A Ripple ondulation: max. 150 mV Return current: < 5 mA (no AC-input) Degree of protection: IP 65 (dust-protected, waterproof) Battery type: 6 V, 12 V lead-acid battery (AGM, GEL, Open and VRLA) Battery capacity: 6 V: 1.2-14 Ah/ 12 V: 1.2-120 Ah Noise level: < 50 dB(A) Surrounding temperature: 0 to 40 °C Accessories: In scope of delivery	0 189 999 130

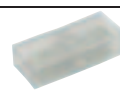
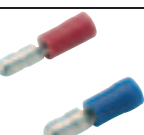
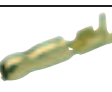
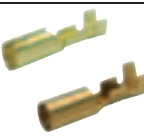
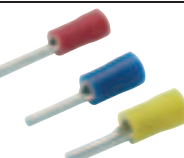
Bosch Automotive Aftermarket

Cable connectors

Universally applicable

Figure	Design	Contact width mm	Contact thickness mm	For conductor cross section mm ²	Colour	Material/finish*)	Qty. per pack	Part number
	Blade terminal	6.3	0.8	0.5–1.0	red	CuZn/tin-plated	100	8 784 480 010
				1.5–2.5	blue	CuZn/tin-plated	100	8 784 480 011
	Blade terminal	2.8	0.8	0.5–1.0		CuZn/bright	100	7 781 700 006
		6.3	0.8	0.5–1.0		CuZn/bright	100	7 781 700 007
				0.75–1.5		CuZn/bright	100	7 781 700 008
				1.5–2.5		CuZn/bright	100	7 781 700 010
	Blade terminal with locking lance	6.3	0.8	1.0–1.5		CuZn/tin-plated	100	7 781 700 009
	Blade receptacle	2.8	0.5/0.8	0.5–1.0	red	CuZn/tin-plated	100	1 901 355 866
		4.8	0.8	0.5–1.0	red	CuZn/tin-plated	100	1 901 355 876
		6.3	0.8	0.5–1.0	red	CuZn/tin-plated	100	1 901 355 880
				1.5–2.5	blue	CuZn/tin-plated	100	1 901 355 881
				4.0–6.0	yellow	CuZn/tin-plated	50	1 901 355 882
		8.0	0.8	1.5–2.5	blue	CuZn/tin-plated	50	8 781 355 810
	Blade terminal with isolation	6.3	0.8	0.5–1.0	red	CuZn/tin-plated	50	8 784 478 014
				1.5–2.5	blue	CuZn/tin-plated	50	8 784 478 015
	Blade receptacle	6.3	0.8	0.5–1.0	red	CuZn/tin-plated	50	7 781 700 029
				1.5–2.5	blue	CuZn/tin-plated	50	7 781 700 030
				4.0–6.0	yellow	CuZn/tin-plated	50	7 781 700 031
	Blade receptacle	2.8	0.5/0.8	0.5–1.0		CuZn/bright	100	1 904 478 301
		4.8	0.5	0.5–1.0		CuZn/bright	100	1 904 478 325
			0.8	1.5–2.5		CuZn/bright	100	1 904 478 331
		6.3	0.8	0.5–1.0		CuZn/bright	100	1 901 355 835
				1.5–2.5		CuZn/bright	100	1 901 355 836
				4.0–6.0		CuZn/bright	100	1 901 355 837
	Blade receptacle	9.5	0.8	4.0–6.0		CuZn/bright	50	1 904 478 350
		6.3	0.8	1.0–2.5		CuZn/bright	100	8 784 477 008
				2.5–4.0		CuZn/bright	50	7 781 700 012
		4.8	0.8	0.5–1.5		CuSn/tin-plated	25	1 904 492 016
				0.5–1.0		CuZn/bright	100	1 901 355 968
				1.5–2.5		CuZn/bright	100	1 901 355 975
	Blade receptacle with locking lance	6.3	0.8	4.0–6.0		CuZn/bright	50	1 901 355 981
				0.5–1.0	red	CuZn/tin-plated	50	1 901 360 820
				1.5–2.5	blue	CuZn/tin-plated	50	1 901 360 821
	Preductive cover for blade receptable	6.3	0.8		trans-parent	Polyethylen natur	50	8 790 451 002
	Multiple-blade connector 2-fold	6.3	0.8			CuZn/bright	100	1 901 360 810

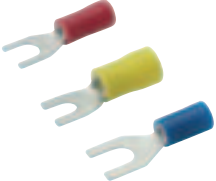
*) CuSn = bronze. CuZn = brass

Figure	Design	Contact width mm	Contact thickness mm	For conductor cross section mm ²	Colour	Material/finish *)	Qty. per pack	Part number
	Multiple-blade connector 3-fold	6.3	0.8			CuZn/bright	50	8 781 360 800
	Multiple-blade connector 3-fold	6.3	0.8			CuZn/nickel-plated	50	8 784 479 006
	Multiple-blade connector 4 way	6.3	0.8			CuZn/nickel-plated	50	8 784 479 005
	Flat connector	6.3	0.8			CuZn/tin-plated	50	8 781 360 810
	Pin terminal	Ø 4.0		0.5–1.0	red	CuZn/tin-plated	100	8 784 480 000
		Ø 5.0		1.5–2.5	blue	CuZn/tin-plated	100	8 784 480 001
	Pin terminal	Ø 4.0		0.5–1.0		CuZn/bright	100	7 781 700 013
				1.5–2.5		CuZn/bright	100	7 781 700 014
		Ø 5.0		1.5–2.5		CuZn/bright	100	7 781 700 015
	Pin receptacle	Ø 4.0		0.5–1.0	red	CuZn/tin-plated	100	8 781 355 000
		Ø 5.0		1.5–2.5	blue	CuZn/tin-plated	50	8 781 355 800
	Pin receptacle	Ø 4.5		1.5–2.5		CuSn/blank	100	7 781 700 004
	Wire pin sleeve	Ø 1.8		0.5–1.0	red	Cu/tin-plated	100	7 781 700 017
				1.5–2.5	blue	Cu/tin-plated	100	8 784 480 009
				4.0–6.0	yellow	Cu/tin-plated	100	7 781 700 018
	Butt coupling			0.5–1.0	red	Cu/tin-plated	100	8 784 485 000
				1.5–2.5	blue	Cu/tin-plated	100	8 784 485 001
				4.0–6.0	yellow	Cu/tin-plated	50	8 784 485 023
	Multiple butt connector			0.5–1.5	blue	Cu/tin-plated	25	8 784 485 024
				4.0	yellow	Cu/tin-plated	25	8 784 485 025

*) CuSn = bronze. CuZn = brass



Cable connectors
universally applicable
 (continued)

Figure	Design	Contact width mm	Contact thickness mm	For conductor cross section mm ²	Colour	Material/finish*)	Qty. per pack	Part number
	Multiple butt connector			0.5–1.5	red	CuZn/tin-plated	25	7 781 700 027
				1.5–2.5	blue	CuZn/tin-plated	25	8 784 485 034
				4.0–6.0	yellow	CuZn/tin-plated	25	7 781 700 028
	Wire end ferrule			up to 1.0		Cu/tin-plated	100	8 780 422 000
				1.0–2.5		Cu/tin-plated	100	7 781 700 019
				4.0–6.0		CuZn/tin-plated	100	7 781 700 020
	Spark-plug connector					CuSn/bright	50	8 780 499 002
	Cable lug	M3		0.5–1.0	red	Cu/tin-plated	100	8 781 353 119
				1.5–2.5	blue	Cu/tin-plated	100	7 781 700 032
		M4		0.5–1.0	red	Cu/tin-plated	100	8 781 353 121
				1.5–2.5	blue	Cu/tin-plated	100	8 781 353 125
		M5		4.0–6.0	yellow	Cu/tin-plated	50	7 781 700 025
				0.5–1.0	red	Cu/tin-plated	100	8 781 353 122
				1.5–2.5	blue	Cu/tin-plated	100	8 781 353 126
		M6		4.0–6.0	yellow	Cu/tin-plated	100	8 781 353 130
				0.5–1.0	red	Cu/tin-plated	100	7 781 700 021
				1.5–2.5	blue	Cu/tin-plated	100	8 781 353 127
		M8		4.0–6.0	yellow	Cu/tin-plated	50	8 781 353 131
				0.5–1.0	red	Cu/tin-plated	100	7 781 700 022
	Open cable lug	M4		1.5–2.5	blue	Cu/tin-plated	100	8 781 353 128
				4.0–6.0	yellow	Cu/tin-plated	50	8 781 353 132
		M5		1.5–2.5	blue	Cu/tin-plated	100	8 781 353 129
				4.0–6.0	yellow	Cu/tin-plated	50	8 781 353 133
		M6		1.5–2.5	blue	Cu/tin-plated	50	7 781 700 023
				4.0–6.0	yellow	Cu/tin-plated	50	8 781 353 133
	Open cable lug	M4		1.5–2.5	blue	Cu/tin-plated	100	8 781 353 000
		M5		1.5–2.5	blue	Cu/tin-plated	100	8 781 353 001
	Soldered cable lug	M6		up to 3.0		Cu/tin-plated	5	1 901 353 011
				up to 4.0		Cu/tin-plated	5	1 901 353 003
				up to 5.0		Cu/tin-plated	5	1 901 353 004
		M8		up to 5.0		Cu/tin-plated	5	1 901 353 005
				up to 6.0		Cu/tin-plated	5	1 901 353 006
				up to 8.0		Cu/tin-plated	5	1 901 353 007
		M10		up to 8.0		Cu/tin-plated	5	1 901 353 008
				up to 10.0		Cu/tin-plated	5	1 901 353 009
	Claw-type cable lug			up to 12.0		Cu/tin-plated	5	1 901 353 010
				0.5–2.5		CuZn/bright	100	8 781 354 002
				0.5–2.5		CuZn/bright	100	8 781 354 003
				0.5–2.5		CuZn/bright	100	8 781 354 004
				0.5–2.5		CuZn/bright	100	8 781 354 005
				4.0–6.0		CuZn/bright	50	8 781 354 006

*) CuSn = bronze. CuZn = brass

Figure	Design	Contact width mm	Contact thickness mm	For conductor cross section mm ²	Colour	Material/ finish *)	Qty. per pack	Part number
	Single blade terminal	M3	6.3	–		CuZn/bright	100	1 901 020 801
		M4	6.3	–		CuZn/bright	100	1 901 020 802
		M5	6.3	–		CuZn/bright	100	1 901 020 803
	Double blade terminal	M6	6.3	–		CuZn/bright	50	8 784 477 005

*) CuSn = bronze. CuZn = brass

Setbox cable connector set, 175 pcs.

	Design	Contact width mm	For conductor cross section mm ²	Qty.	Part number
	Blade terminal	6.3	0.5–1.0	10	1 987 532 100
	Blade terminal	6.3	1.5–2.5	10	
	Blade receptacle	6.3	0.5–1.0	10	
	Blade receptacle	6.3	1.5–2.5	10	
	Cable lug	M3	0.5–1.0	10	
	Cable lug	M4	0.5–1.0	10	
	Cable lug	M5	0.5–1.0	10	
	Cable lug	M3	1.5–2.5	10	
	Cable lug	M4	1.5–2.5	10	
	Cable lug	M5	1.5–2.5	10	
	Cable lug	M5	4.0–6.0	10	
	Cable lug	M6	4.0–6.0	10	
	Open cable lug	M4	0.5–1.0	10	
	Open cable lug	M5	1.5–2.5	10	
	Open cable lug	M4	4.0–6.0	10	
	Butt coupling		0.5–1.0	10	
	Butt coupling		1.5–2.5	10	
	Butt coupling		4.0–6.0	5	

Line connectors

Universally applicable – High-performance



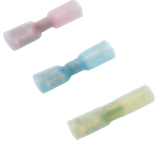
Universally applicable. High-performance crimp connectors using shrink sleeve techniques with internal coating

Minimum shrinkage temperature: 100 °C

Permanent application temperature range: -55 °C...+125 °C

100% waterproof

Figure	Design	Contact width	For conductor cross section mm ²	Colour	Sleeve diameter expanded mm ²	shrunk mm ²	Qty. per pack	Part number
	Butt coupling		0.1–0.5	white/transparent	3.7	1.0	25	1 987 532 035
			0.5–1.5	red/transparent	4.3	1.4	25	1 987 532 000
			1.5–2.5	blue/transparent	5.0	1.8	25	1 987 532 001
			4.0–6.0	yellow/transparent	6.5	2.2	25	1 987 532 002
	Cable lug	M4	0.5–1.5	red/transparent	4.3	1.4	25	1 987 532 003
		M5	0.5–1.5	red/transparent	4.3	1.4	25	1 987 532 004
		M6	0.5–1.5	red/transparent	4.3	1.4	25	1 987 532 005
		M8	0.5–1.5	red/transparent	4.3	1.4	25	1 987 532 006
		M10	0.5–1.5	red/transparent	4.3	1.4	25	1 987 532 007
	Cable lug	M4	1.5–2.5	blue/transparent	5.0	1.8	25	1 987 532 008
		M5	1.5–2.5	blue/transparent	5.0	1.8	25	1 987 532 009
		M6	1.5–2.5	blue/transparent	5.0	1.8	25	1 987 532 010
		M8	1.5–2.5	blue/transparent	5.0	1.8	25	1 987 532 011
		M10	1.5–2.5	blue/transparent	5.0	1.8	25	1 987 532 012
	Cable lug	M4	4.0–6.0	yellow/transparent	6.5	2.2	25	1 987 532 013
		M5	4.0–6.0	yellow/transparent	6.5	2.2	25	1 987 532 014
		M6	4.0–6.0	yellow/transparent	6.5	2.2	25	1 987 532 015
		M8	4.0–6.0	yellow/transparent	6.5	2.2	25	1 987 532 016
		M10	4.0–6.0	yellow/transparent	6.5	2.2	25	1 987 532 017
	Open cable lug	M4	0.5–1.5	red/transparent	4.3	1.4	25	1 987 532 018
		M5	0.5–1.5	red/transparent	4.3	1.4	25	1 987 532 019
	Open cable lug	M4	1.5–2.5	blue/transparent	5.0	1.8	25	1 987 532 020
		M5	1.5–2.5	blue/transparent	5.0	1.8	25	1 987 532 021
	Open cable lug	M4	4.0–6.0	yellow/transparent	6.5	2.2	25	1 987 532 022
		M5	4.0–6.0	yellow/transparent	6.5	2.2	25	1 987 532 023

Figure	Design	Contact width mm	Contact thickness mm	For conductor cross section mm ²	Colour	Sleeve diameter expanded mm ²	shrunk mm ²	Qty. per pack	Part number
	Blade receptacle	6.3	0.8	0.5–1.5	red/transp.	6.5	1.4	25	1 987 532 024
		6.3	0.8	1.5–2.5	blue/transp.	6.5	1.8	25	1 987 532 025
		6.3	0.8	4.0–6.0	yellow/transp.	6.5	2.2	25	1 987 532 026
	Blade terminal	6.3	0.8	0.5–1.5	red/transp.	4.3	1.4	25	1 987 532 027
		6.3	0.8	1.5–2.5	blue/transp.	5.0	1.8	25	1 987 532 028
		6.3	0.8	4.0–6.0	yellow/transp.	6.5	2.2	25	1 987 532 029

Braided sleeve in dispenser box



Colour: black
Length: 10 m
Stretch: 1:2
Permanent application temperature range: –55 °C...+130 °C

diameter nominal mm	diameter stretched mm	Part number
10	15	1 987 532 032
15	27	1 987 532 033
25	34	1 987 532 034



Detailed view



Shrink-sleeve sets



Figure	Design	Part number
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Properties of shrink-down tubing: – Flexible

- Universally applicable
- Shrink rate 2:1
- Permanent application temperature range: –55°C bis 125°C
- Minimum shrinking temperature: 110°C



Shrink-sleeve set, small

Internal diameter (mm)
1.2/2.4/4.8/9.5/19.0/38.0 before shrinking
Shrink rate: 2:1
Permanent application temperature range:
–55°C...+125°C
Minimum shrinkage temperature: 110°C

1 987 532 030



Shrink-sleeve set, large

Internal diameter (mm)
1.2/1.6/2.4/3.2/4.8/6.4/9.5/12.7 before shrinking
Contents: approx. 30 m (90 ft)
Shrink rate: 2:1
Permanent application temperature range:
–55°C...+125°C
Minimum shrinkage temperature: 110°C

1 987 532 031



Shrink-sleeve set, with butt coupling as per DIN-VDE-0293-308

Colour	For conduction cross section mm ²	Qty.
transparent	0.1–0.5	5
red	0.5–1,5	5
blue	1.5–2.5	20
yellow	4.0–6.0	20

1 987 532 101

Thermal-protection shrink-sleeve

Length mm	Diameter mm	Qty.
70	1.6–0,8	28
	2.4–1,2	28
	3.2–1.6	20
	4.8–2.4	16
	6.4–3.2	12
	6.4–2.0	5
	3.2–1.0	7

Cables

Product presentation



Materials and markings

- FL** Vehicle cables
- R** Reduced thickness of insulation wall
- Y** PVC insulation
- Sn** Tin-plated conductor
- A** Symmetrical strand layout
- B** Asymmetrical strand layout

Color coding

The cable colors are defined as per DIN 47 002/ DIN IEC 304, short symbols as per IEC 757. The color is controlled by comparison with the RAL color register 840R.

Layout example for copper strands for vehicle cables

Asymmetrical strand layout "B"



Symmetrical strand layout "A"



Strands with a symmetrical layout are used where there are significant requirements for a constant insulation wall thickness (particularly for cables with thin wall insulation).

Example

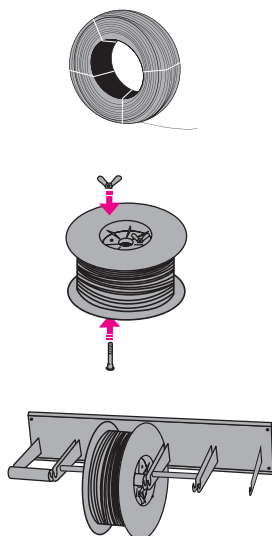
FL	R	Y	A	0.5 Nominal cross section
				Strand layout
				PVC insulation
				Reduced thickness of insulation wall
				Vehicle cable

Design and accessories

Your order is supplied on cardboard rings, diameter Ø 125 mm, width 90 mm.

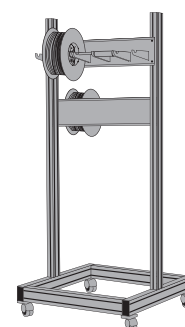
To match the wound rings, we offer:

- ▶ Reusable, standardized two-piece plastic cable drums for easy unwinding of the cables.
- ▶ Cable dispenser for up to 5 plastic cable drums. It is possible to store several dispensers on a cable-drum trolley*.



The benefits for you

- ▶ No empty drums in warehouse
- ▶ No return transport
- ▶ No waste disposal
- ▶ No freight costs
- ▶ No transport damage



Dispenser trolley can be loaded on both sides.

* Not included in catalog.

Vehicle cables

Illustration	Description
 FLRY Vehicle cable with thin-wall PVC insulation	Conductor: Soft-annealed electrolytic copper Cu-ETP1 as per DIN EN 13602, bare. Conductor structure as per ISO 6722. Insulation: Soft PVC with characteristics as per ISO 6722, Class B, lead-free. Special characteristics: Temperature range: -40 °C ... +105 °C (3000 h).

Type Description	Conductor cross section mm ²	Insulation color	Part number	Part number
			500m rolls	50m rolls
FLRY (Type A and B) Conductor, bare, with plastic insulation	0.35 (Type A)	White	5 998 340 058	1 987 352 401
		Blue	5 998 340 104	1 987 352 402
		Brown	5 998 340 105	1 987 352 403
		Black	5 998 340 057	1 987 352 404
	0.5 (Type A)	White	5 998 340 003	1 987 352 405
		Yellow	5 998 340 004	1 987 352 406
		Orange	5 998 340 011	1 987 352 407
		Red	5 998 340 016	1 987 352 408
		Blue	5 998 340 010	1 987 352 409
		Green	5 998 340 008	1 987 352 410
		Gray	5 998 340 007	1 987 352 411
		Brown	5 998 340 006	1 987 352 412
		Black	5 998 340 009	1 987 352 413
		White	5 998 340 174	1 987 352 414
	0.75 (Type B)	Yellow	5 998 340 166	1 987 352 415
		Red	5 998 340 175	1 987 352 416
		Blue	5 998 340 167	1 987 352 417
		Green	5 998 340 168	1 987 352 418
		Gray	5 998 340 165	1 987 352 419
		Brown	5 998 340 176	1 987 352 420
	1.0 (Type B)	White	5 998 340 135	1 987 352 421
		Yellow	5 998 340 136	1 987 352 422
		Red	5 998 340 177	1 987 352 423
		Blue	5 998 340 137	1 987 352 424
		Green	5 998 340 138	1 987 352 425
		Black	5 998 340 139	1 987 352 426
	1.5 (Type B)	White	5 998 340 080	1 987 352 427
		Yellow	5 998 340 140	1 987 352 428
		Red	5 998 340 051	1 987 352 429
		Purple	5 998 340 081	1 987 352 430
		Blue	5 998 340 082	1 987 352 431
		Green	5 998 340 021	1 987 352 432
		Gray	5 998 340 142	1 987 352 433
		Brown	5 998 340 052	1 987 352 434
		Black	5 998 340 056	1 987 352 435

Vehicle cables

Type Description	Conductor cross section mm ²	Insulation color	Part number	Part number
			400m rolls	50m rolls
FLRY (Type B) Conductor, bare, with plastic insulation	2.5 (Type B)	White	5 998 340 153	1 987 352 436
		Yellow	5 998 340 060	1 987 352 437
		Red	5 998 340 024	1 987 352 438
		Blue	5 998 340 088	1 987 352 439
		Green	5 998 340 062	1 987 352 440
		Gray	5 998 340 162	1 987 352 441
		Brown	5 998 340 025	1 987 352 442
		Black	5 998 340 091	1 987 352 443

Type Description	Conductor cross section mm ²	Insulation color	Part number	Part number
			200m rolls	50m rolls
FLRY (Type B) Conductor, bare, with plastic insulation	4.0 (Type B)	White	5 998 340 049	1 987 352 444
		Red	5 998 340 036	1 987 352 445
		Blue	5 998 340 039	1 987 352 446
		Brown	5 998 340 042	1 987 352 447
		Black	5 998 340 044	1 987 352 448

Illustration	Description
FLY Vehicle cable with PVC insulation 	Conductor: Soft-annealed electrolytic copper Cu-ETP1 as per DIN EN 13602, bare. Conductor structure as per ISO 6722. Insulation: Soft PVC with characteristic as per ISO 6722, Class B, lead-free. Special characteristics: Cables with cross sections >6 mm ² can be used as battery cables. Temperature range: -40°C ... +90°C (3000 h).

Type Description	Conductor cross section mm ²	Insulation color	Part number	Part number
			100m rolls	50m rolls
FLY Conductor, bare, with plastic insulation	0.75	White	5 998 343 068	1 987 352 501
		Yellow	5 998 343 081	1 987 352 502
		Red	5 998 343 092	1 987 352 503
		Blue	5 998 343 111	1 987 352 504
		Green	5 998 343 124	1 987 352 505
		Gray	5 998 343 137	1 987 352 506
		Brown	5 998 343 145	1 987 352 507
		Black	5 998 343 153	1 987 352 508
	1.00	Red	5 998 343 016	1 987 352 509
		Green	5 998 343 019	1 987 352 510
		Brown	5 998 343 020	1 987 352 511
		Black	5 998 343 021	1 987 352 512

Cables (continued)



Type Description	Conductor cross section mm ²	Insulation color	Part number	Part number
			100m rolls	50m rolls
FLY Conductor, bare, with plastic insulation	1.5	White	5 998 343 071	1 987 352 513
		Yellow	5 998 343 022	1 987 352 514
		Red	5 998 343 023	1 987 352 515
		Blue	5 998 343 024	1 987 352 516
		Green	5 998 343 027	1 987 352 517
		Gray	5 998 343 028	1 987 352 518
		Brown	5 998 343 029	1 987 352 519
		Black	5 998 343 030	1 987 352 520
		Yellow/red	5 998 343 085	1 987 352 521
		Gray/red	5 998 343 185	1 987 352 522
		Gray/black	5 998 343 186	1 987 352 523
		White/black	5 998 343 079	1 987 352 524
		Black/red	5 998 343 187	1 987 352 525
		Black/green	5 998 343 165	1 987 352 526
	2.5	White	5 998 343 050	1 987 352 527
		Yellow	5 998 343 183	1 987 352 528
		Red	5 998 343 001	1 987 352 529
		Blue	5 998 343 031	1 987 352 530
		Green	5 998 343 034	1 987 352 531
		Gray	5 998 343 035	1 987 352 532
		Brown	5 998 343 036	1 987 352 533
		Black	5 998 343 002	1 987 352 534
	4.0	Yellow	5 998 343 184	1 987 352 535
		Red	5 998 343 097	1 987 352 536
		Black	5 998 343 157	1 987 352 537

Type Description	Conductor cross section mm ²	Insulation color	Packaging unit	Part number
			m	
FLY Conductor, bare, with plastic insulation	6.0	Red	50	5 998 343 189
		Blue	50	5 998 343 190
		Black	50	5 998 343 196
	10.0	Red	50	5 998 343 188
		Black	50	5 998 343 191
	16.0	Black	50	5 998 343 192
	25.0	Black	50	5 998 343 193

Type Description	Conductor cross section mm ²	Insulation color	Packaging unit	Part number
			m	
FLY Conductor, bare, with plastic insulation	35.0	Black	25	5 998 343 194
	50.0	Black	25	5 998 343 195
	70.0	Black	25	5 998 343 197



Illustration	Description
FLYY-F Plastic hose for vehicles Illustration shows the 3-core cable 	Conductor: Soft-annealed electrolytic copper Cu-ETP1 as per DIN EN 13602, bare. Conductor structure as per ISO 6722. Insulation / Sheath: Soft PVC with characteristics as per ISO 6722, Class B, lead-free. Special characteristics: Sheathed cable in circular (single core) and flat (multiple core) design.

Type Description	Number of cores x nominal cross section mm ²	Sheath wall-thickness specified value mm	Insulation color	Packaging unit m	Part number
FLYY-F	1 x 1.5	0.6	Black	50	5 998 351 003
	1 x 2.5	0.6	Black	50	5 998 351 004
	2 x 1.5	0.6	Black/red	50	5 998 351 101
	3 x 1.5	0.6	Black	50	5 998 351 105

Illustration	Description
FLYY Plastic sheathed cable for vehicles Illustration shows the 7-core cable 	Conductor: Soft-annealed electrolytic copper Cu-ETP1 as per DIN EN 13602, bare. Conductor structure as per ISO 6722, stranded cores. Insulation / Sheath: Soft PVC with characteristics as per ISO 6722, Class B, lead-free.

Type Description	Number of cores x nominal cross section mm ²	Core colors ¹⁾	Color of sheath	Packaging unit m	Part number
FLYY	5 x 1.5	ge, ws, gn, br, sw	Black	50	5 998 352 013
	7 x 1.5	ge, bl, ws, gn, br, rt, sw	Black	25	5 998 352 018
	8 x 1.5	ge, bl, ws, gn, br, rt, sw, vi	Black	25	5 998 352 021

Illustration	Description
FLYZ PVC twin cable 	Conductor: Soft-annealed electrolytic copper Cu-ETP1 as per DIN EN 13602, bare. Conductor structure as per ISO 6722. Insulation: Soft PVC with characteristics as per ISO 6722, Class B, lead-free. Special characteristics: Suitable for use as speaker cable. Temperature range: -40°C ... +105°C (3000 h).

Type Description	Number of cores x nominal cross section mm ²	Insulation color ¹⁾	Packaging unit m	Part number
FLYZ	2 x 0.75	Brown/brown-red	50	7 781 999 939
	2 x 1.50	Black	50	7 781 999 950

¹⁾ Colors: ge = Yellow, bl = Blue, ws = White, gn = Green, br = Brown, rt = Red, sw = Black, gnge = Green/yellow, hbl = Light blue, vi = Purple

Cables (continued)

Illustration	Description
XYMHY-O FLYY 9 x 1.5 + 4 x 2.5 (fine-wire copper cable with light plastic insulation)	Conductor: Cu wire, bare, Cu ETP 1 as per EN 13602, stranded cores. Insulation: PVC, lead-free.

Type Description	Cores	Conductor structure nom. mm	Cross section nom. mm ²	Color of sheath	Packaging unit m	Part number
XYMHY-O	1, 2, 4, 5, 6, 7, 8, 11, 12	30 x 0.25	1.5	Black	25	1 987 352 005
	3, 9, 10, 13	50 x 0.25	2.5			

Industrial cables

Illustration	Description
H 05 RR-F Light rubber sheathed cable Illustration shows the 4-core cable 	Conductor: Fine-wire copper cable with light rubber insulation, stranded cores. Insulation / Sheath: Rubber compound as per VDE 0282. Special characteristics: Nominal voltage U_0/U : 300 V/500 V.

Type Description	Number of cores x nominal cross section mm ²	Core colors ¹⁾	Color of sheath	Packaging unit m	Part number
H 05 RR-F	2 x 0.75	br, hbl	Black	50	6 244 001 203
	2 x 1.50	br, hbl	Black	50	6 244 001 205
	3 x 1.50	gnge, br, hbl	Black	50	6 244 002 305
	3 x 2.50	gnge, br, hbl	Black	50	6 244 002 306
	4 x 1.50	gnge, sw, hbl, br	Black	50	6 244 002 405

Illustration	Description
H 05 VV-F Medium PVC sheathed cable Illustration shows the 4-core cable 	Conductor: Fine-wire copper cable with plastic insulation, individual wires bare, stranded cores. Insulation: Thermoplastic PVC, lead-free.

Type Description	Number of cores x nominal cross section mm ²	Core colors ¹⁾	Color of sheath	Packaging unit m	Part number
H 05 VV-F	2 x 1.50	br, hbl	Black	50	6 254 011 205
	3 x 1.50	gnge, br, hbl	Black	50	6 254 012 305
	4 x 0.75	gnge, sw, hbl, br	Black	50	6 254 012 403
	4 x 1.50	gnge, sw, hbl, br	Black	50	6 254 012 405

¹⁾ Colors: ge = Yellow, bl = Blue, ws = White, gn = Green, br = Brown, rt = Red, sw = Black, gnge = Green/yellow, hbl = Light blue, vi = Purple

Industrial cables

Illustration	Description
H 07 RN-F Heavy rubber sheathed cable Illustration shows the 5-core cable 	Conductor: Fine-wire copper cable with rubber insulation, individual wires tin-plated or bare, stranded cores. Insulation / Sheath: Rubber compound as per VDE 0282. Special characteristics: Nominal voltage U_0/U : 300 V/500 V. For connection of commercial tools, equipment and machinery. The cables are suitable for fixed installation e.g. on construction sites.

Type Description	Number of cores x nominal cross section mm ²	Core colors ¹⁾	Color of sheath	Packaging unit m	Part number
H 07 RN-F	3 x 1.5	gnge, br, hbl	Black	50	6 259 002 305
	3 x 2.5	gnge, br, hbl	Black	50	6 259 002 306
	4 x 1.5	gnge, sw, hbl, br	Black	50	6 259 002 405
	4 x 2.5	gnge, sw, hbl, br	Black	50	6 259 002 406
	5 x 2.5	gnge, sw, hbl, br, gr	Black	50	6 259 002 506

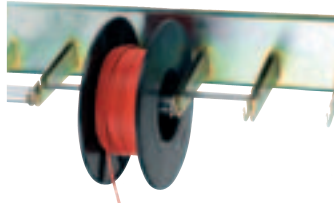
¹⁾ Colors: ge = Yellow, bl = Blue, ws = White, gn = Green, br = Brown, rt = Red, sw = Black, gnge = Green/yellow, hbl = Light blue, vi = Purple, gr = grey

Illustration	Description
H 01 N2-D Single-core cable 	Conductor: Ultra-fine-wire copper cable, bare. Insulation / Sheath: Sheath oil-resistant and not-flammable. Special characteristics: Nominal voltage: 200 V. Can be used for welding equipment in industry, e.g. automotive engineering, and for commercial electrodes, e.g. in workshops or on construction sites.

Type Description	Nominal cross section mm ²	Color of sheath	Packaging unit m	Part number
H 01 N2-D	16	Black	50	6 168 910 161
	25	Black	50	6 168 910 251
	35	Black	25	6 168 910 351
	50	Black	25	6 168 910 501
	70	Black	25	6 168 910 701
	95	Black	25	6 168 910 951

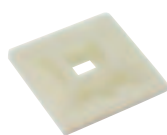
Accessories

Illustration	Description	Part number
Plastic cable drum  Application example 	Reusable, two-piece plastic cable drum: ► Can be attached to cardboard rings. ► Quick and easy to fit by hand. ► Screwed together with 2 thumb screws*.	7 781 999 948
* Included in scope of delivery.		

Illustration	Description	Part number
Cable dispenser  Application example 	Cable dispenser for 5 plastic cable drums with mounting elements. Supplied with 5 shafts to allow storage of ► Plastic cable drums (shaft Ø 30 mm) ► Dispenser rollers* (shaft Ø 10 mm)	7 781 999 949
* Also fits dispenser rollers as delivered up to now.		

Accessories for general use

	Cable ties			
	Dimensions mm	Pack Qty.	Part number black	Part number transparent
	390 x 4.8	100	1 987 352 011	7 781 999 596
	203 x 4.8	100	1 987 352 010	7 781 999 592
	150 x 3.6	100	1 987 352 009	7 781 999 593
	102 x 2.5	100	1 987 352 008	7 781 999 594

	Mounting plates for cable ties	
	For securing wiring harness, self-adhesive. Colour white. Dimensions: 28 x 28 mm	
	Design	Part number
	25 pack qty., screw type	7 781 999 595



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Tools

Convenience electronics

Extraction tools

Product information

- For damage-free release of plug contacts, e.g. blade contacts and pin contacts.
- Disconnection faults can be resolved quickly, easily and professionally
- Universal application in the field of automotive electronics
- Extendable slider for protection of blades and prevention of injury
- Universal tools, e.g. JPT 2.8 mm tool, suitable for more than 70% of standard connections

Figure	Description	Part number
	Contact example: JPT 2.8 mm/5.8 mm	1 987 532 048
	Contact example: Junior Timer 1.48 mm	1 987 532 049
	Contact example: Micro Timer II	1 987 532 050
	Contact example: QKK 1.5 mm Contact for blade terminals with 2 grip mechanism	1 987 532 051
	Contact example: Sensor Timer Special tool for 2.8 mm Tyco sensor blade terminals	1 987 532 052
	Tool box The tools are suitable for all common vehicles. All principles are blade terminal systems.	1 987 532 047



Crimping tools

Product information

Crimping pliers

- Processing of conductor and insulation crimping in a single operation
- Integrated, unlocking lock secures the crimping
- Easy to use
- Ergonomic soft handles

Crimping pliers with easy replacement system

- Quick and easy replacement of heads with snap connector
- Integrated lock secures the crimping
- Modular design and construction of pliers reduces procurement costs
- Universal crimping profile of replacement head allows a wide range of connectors to be processed
- Effort-saving use due to optimum transmission ratio

Cable stripper

- Stripping and cutting of fine-wire and solid conductors with PVC insulation, from 0.03–6.0 mm²
- Adjustable stripping length from 3–16 mm
- Lightweight and easy to use
- Automatic adjustment of cross-section
- Adjustable for different insulation thicknesses
- Zero fatigue working due to ergonomic design
- No damage to head

Field of application

DIN cable lug, pin cable lug, blade terminals and blade receptacles, pin terminals and receptacles, butt connectors, parallel connectors

Figure	Description	Part number
	Cable stripping tool Stripping and cutting of firm and solid wire with PVC insulation, from 0.03 to 6.0 mm ²	1 987 532 036
	Crimping tool For cable cross-section: Red 0.5–1.0 mm ² 20–16 AWG Blue 1.5–2.5 mm ² 16–14 AWG Yellow 4.0–6.0 mm ² 12–10 AWG	1 987 532 037
	Crimping tool For cable cross-section: Profile 1 0.5–1.0 mm ² 20–16 AWG Profile 2 1.0–2.0 mm ² 16–14 AWG Profile 3 4.0–6.0 mm ² 12–10 AWG Profile 4 0.5–1.0 mm ² 20–16 AWG	1 987 532 038
	Handle, short for changeable tool heads	1 987 532 039
	Tool head, yellow/red and blue, for cable cross-section: 0.35–0.5 mm ² /AWG 22–20 Yellow insulated shrink-down tubing connectors 0.5–1.0 mm ² /AWG 20–16 Red insulated shrink-down tube connectors 1.5–2.5 mm ² /AWG 16–14 Blue insulated shrink-down tube connectors	1 987 532 041
	Tool head without insulation Crimp, yellow, for cable cross-section: 4–6 mm ² Yellow insulated shrink-down tubing connector	1 987 532 042
	Tool head for red/blue insulated connectors for cable cross-section: Red 0.5–1.0 mm ² AWG 20–16 Blue 1.5–2.5 mm ² AWG 16–14	1 987 532 043
	Tool head for yellow insulated connectors for cable cross-section: 4.0–6.0 mm ² AWG 12–10	1 987 532 044
	Universal tool head for cable cross-section: 0.35–0.5 mm ²	1 987 532 045
	Universal tool head for cable cross-section: 0.5–1.0 mm ²	1 987 532 046



de

**Elektronischer
Katalog für Kraft-
fahrzeug-Ausrüstung**

en

**Electronic Catalog
for Automotive Parts**

fr

**Catalogue électronique
de pièces détachées
et de rechange**

it

**Catalogo elettronico
per ricambi di
automobili**

es

**Catálogo electrónico
de los componentes
del automóvil**



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2. Jumps back to the
window before

3. Selected vehicle

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1 987 721 074



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Plug-in connectors

13-pole 12 V Plug-in connector ISO 11446

Application

This Plug-in connector is used for the electrical connection between the towing vehicle and the trailer.

Technical data

The Plug-in connector complies with ISO 11446. Tests were carried out in compliance with ISO 4091.

Contact allocation

Plug-in connector N-type according to ISO 1724

Contact no.	Colour	mm ²	Circuit for
1	yellow	1.5	Left-hand direction indicator light
2	blue	1.5	Rear fog light
3 ¹⁾	white	2.5	Earth (for circuit to contact no. 1 bis 8)
4	green	1.5	Right-hand direction indicator light
5	brown	1.5	Right-hand rear position and marker lights, and rear registration-plate illuminating device ²⁾
6	red	1.5	Stop-lights
7	black	1.5	Left-hand rear position and marker lights, and rear registration-plate illuminating device ¹⁾
8	pink	1.5	Reversing light
9	orange	2.5	Power supply (permanent positive)
10	grey	2.5	Power supply (controlled by ignition switch)
11 ¹⁾	white/black	2.5	Earth (for circuit to contact no. 10)
12	–	1.5	Reserved for future allocation
13 ¹⁾	white/red	2.5	Earth (for circuit to contact no. 9)

¹⁾ The three earth cables shall not be connected electrically in the trailer.

²⁾ The rear registration-plate illuminating device shall be connected in such that no lamp of the device has a common connection with either contact 5 or 7.

7-pole 12 V Plug-in connector ISO 1724/ISO 3732

Application

This Plug-in connector is used for the electrical connection between the towing vehicle and the trailer.

Technical data

The N-type is normed in ISO 1724. The S-type is colour coded in white and corresponds to ISO 3732. The tests were carried out in accordance with ISO 1724 and ISO 3732.

Contact allocation

Plug-in connector N-type according to ISO 1724

Contact no.	Core insulation colour (for information)	mm ²	Circuit for
1 / L	yellow	1.5	Left-hand direction indicator light
2 / 54g	blue	1.5	Rear fog light
3 / 31	white	2.5	Earth
4 / R	green	1.5	Right-hand direction indicator light
5 / 58R	brown	1.5	Right-hand rear position and marker lights, and rear registration-plate illuminating device ¹⁾
6 / 54	red	1.5	Stop-lights
7 / 58L	black	1.5	Left-hand rear position and marker lights, and rear registration-plate illuminating device ¹⁾

Plug-in connector S-type according to ISO 3732

1	yellow	1.5	Reversing light ²⁾
2		1.5	Reserved for future allocation
3	white	2.5	Earth (for circuit to contact no. 4)
4	green	2.5	Power supply (permanent positive)
5	brown	1.5	No allocation
6	red	2.5	Power supply (controlled by ignition switch)
7	black	2.5	Earth (for circuit to contact no. 6)

¹⁾ The rear registration-plate illuminating device shall be connected in such a manner that no lamp of such a device has a common connection with both contacts 2 and 6.

²⁾ The earth for the circuit of this contact will normally be by contact no. 3 of the 12N connector according to ISO 1724.



Plugs, sockets

Plugs and sockets for trailer connection (12 V program)

Figure	Designation	Description	Part number
	Trailer plug, 3-pole	Plastic, 12 V, for single-axle towing, switch-off contact	0 352 130 001
	Socket (trailer), 3-pole	Plastic, 12 V, for single-axle towing, switch-off contact	0 352 030 002
	Trailer plug, 4-pole	Plastic, 12 V, for narrow-track towing vehicle, commercial vehicles, as additional plug-connection cable	0 352 140 001
	Socket (trailer), 4-pole	Plastic, 12 V, for narrow-track towing vehicle, commercial vehicles, as additional plug-connection cable	0 352 040 002
	Trailer plug, 7-pole	Metal, 12 V, for cars, connecting to ISO 1724, N-version	0 352 170 004
	Socket (trailer), 7-pole	Metal, 12 V, for cars, connecting to ISO 1724, N-version	0 352 070 011
	Socket (trailer), 7-pole	Switch-off contact, plastic, 12 V, for cars, with switch-off contact for fog warning lamp of towing vehicle when trailer plug is inserted	0 986 352 028
	Socket (trailer), 7-pole	Switch-off contact, plastic, 12 V, for cars, with switch-off contact for fog warning lamp of towing vehicle when trailer plug is inserted, with sheet-metal panel, sealing ring	0 986 352 820
	Trailer plug, 7-pole	For cars, connecting to ISO 1724, N-version	0 352 170 003
	Trailer plug, 7-pole	Folding plug, 12 V, for cars, connecting to ISO 1724, N-version	0 986 352 816



Plugs and sockets for trailer connection (12 V program)

Figure	Designation	Description	Part number
	Socket (trailer), 7-pole	Switch-off contact, plastic, 12 V, for cars, with switch-off contact for fog warning lamp of towing vehicle when trailer plug is inserted	0 986 352 029
	Socket (trailer), 7-pole	Switch-off contact, plastic, 12 V, for cars, with switch-off contact for fog warning lamp of towing vehicle when trailer plug is inserted, with sheet-metal panel and seal	0 986 352 819
	Socket (trailer), 7-pole	Switch-off contact, plastic, 12 V, for cars, with switch-off contact for fog warning lamp of towing vehicle when trailer plug is inserted	0 986 352 817
	Trailer plug, 13-pole	Plastic, 12 V, for cars, standard DIN/ISO 11446	0 986 352 814
	Socket (trailer), 13-pole	Plastic, 12 V, for cars, standard DIN/ISO 11446	0 986 352 026
	Socket (trailer) 13-pole	Plastic, 12 V, for cars, as ...026, but with switch-off contact for fog warning lamp of towing vehicle when trailer plug is inserted, with sealing ring	0 986 352 815
	Short adapter	Plastic, 12 V, for connecting 7-pole and 13-pole, without cable	0 986 352 813
	Parking socket, 13-pole	Plastic, 12 V, to protect against dust and splashwater, for unplugged trailer plugs	0 986 352 030

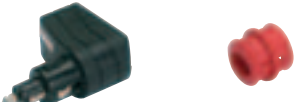
Plugs, sockets (continued)

Figure	Designation	Description	Part number
Standard sockets			
	Surface-mounted standard socket	with blade terminal 6,3 mm, fitting for standard and universal sockets, max. 16 A/12–24 V, TÜV tested and controlled, with contacts as per ISO 4165	0 986 352 006
	Surface-mounted standard socket, housing 2-pole	12 A at 6–24 V, Housing (aluminum), socket (plastic), 2 holes, Ø 4,5mm, hole spacing 46 mm, screw terminal for wire and ferrules	0 352 221 001
	Panel-mounted standard socket, 2-pole	12 A at 6–24 V, housing (aluminum), socket (plastic), with hexagonal nut M18x1, SW 22, 1 screw terminal (+)	0 352 222 008
	Panel-mounted standard socket, 2-pole	12 A at 6–24 V, housing (aluminum), socket (plastic), hinged cover olive green, with hexagonal nut M18x1, SW 22, 1 screw terminal (+)	0 352 222 009
	Panel-mounted standard socket to DIN	With 6.3mm flat connection, secured with hexagon nut, suitable for standard and universal plugs, max. 16 A/1–24 V, TÜV tested and monitored, complies with DIN ISO 4165, installation aperture 18 mm	0 986 352 007
	Panel-mounted standard socket to DIN	Water tight, with screw-on cover, 12–24 V, water tight seal, IP 67, 16 A, contacts comply with DIN ISO 4165, pre-assembled with 300mm cable, secured with hexagon nut, installation aperture: 18.4 mm, temperature resistant: –40 °C to 105 °C	0 986 352 823
	Panel-mounted standard socket to DIN	With cover, with 6.3 mm flat connection, cover protects against dust and splashed water, secured with hexagon nut, suitable for standard and universal plugs, max. 16 A/1–24 V, TÜV tested and monitored, complies with DIN ISO 4165, installation aperture 18 mm	0 986 352 804
	Panel-mounted standard triple socket	Three standard sockets, 12–24 V, connected using 6.3 mm flat plug, max. total current consumption for all three sockets: 16 A, with contacts complying with DIN ISO 4165	0 986 352 807
	Hinged cover	For panel-mounted standard socket, olive green	1 350 500 012
	Hinged cover	For panel-mounted standard socket, black (Lupolen)	1 350 500 001



Figure	Designation	Description	Part number
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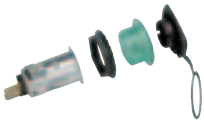
Universal plugs for standard socket and cigar lighter socket

	Standard plug	For standard socket, 10 A at 6–24 V, black housing, straight, 2 screw terminals	0 986 352 000
	Standard plug	for standard socket and cigar lighter socket, 8 A at 6–24 V, black housing, straight, 2 screw terminals, with adapter	0 986 352 015
	Standard plug	for standard socket and cigar lighter socket, 8 A at 6–24 V, black housing, straight, 2 screw terminals, with adapter, fuse pretection up to 8 A with ceramic or glass fuse	0 986 352 016
	Standard plug	as 0 986 352 811, with green LED function display	0 986 352 812
	Universal plug	for standard socket and cigar lighter socket, 8 A at 6–24 V, black housing, offset, 2 screw terminals with adapter, Sfuse pretection up to 7.5 A, with green LED function display, Lockable adapter	0 986 352 809
	Universal plug	for standard socket and cigar lighter socket, 8 A at 6–24 V, black housing, offset, 2 screw terminals, with adapter, fuse pretection up to 8 A, the front and rear of the plug housing can be redated with respect to each other while at the same time pivoting trough 0–70°	0 986 352 818

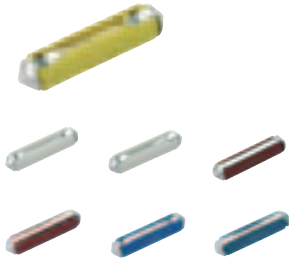
Extension cable for standard socket and cigar lighter socket

	Extension cable	8 A at 12–24 V, flat cable (2x0.75 mm ²), with safety universal plug (fuse 8 A integrated) and break resistant connection for standard plugs to ISO 4165, lenght 4 m	0 986 352 825
	Extension cable	8 A at 12–24 V, spiral cable (2x0.75 mm ²) with safety universal plug (fuse 8 A integrated) and connection (inner Ø 21 mm), lenght 0.6 to 3.0 m	0 986 352 826

Plugs, sockets (continued)

Figure	Designation	Description	Part number
Socket outlet and plug, 2-pole (DIN/ISO 14690)			
	Integral socket, 2-pole	16 A at 6–42 V, housing made of aluminum, captive screw cover with gasket, screw terminals for cable lug M3, 3 holes, Ø 5.5 mm, hole circle Ø 49 mm	0 352 220 001
	Plug	16 A at 6–42 V, Housing made of aluminum, including captive union nut, strain relief and predictive cable sleeve for cable Ø 6–12 mm, screw terminals for wire end ferrules up to Ø 3 mm, with prediction cap	0 352 320 001
Special accessories			
	Adapter cable	8 A to 12–24 V, standard plug according to ISO 4165 and connection (inner Ø 21 mm), length: 0.25 m	0 986 352 824
	Adapter for universal plug	To adapt universal plugs to cigar lighter socket	1 987 352 126
	AC mains socket	With screw thread, for operation of additional equipment in cars, boats and caravans, 20 A load capacity with cable cross-section 2.5 mm ² , 2,15 A load capacity with cable cross-section 1.5 mm ² , internal diameter: 22 mm, installation aperture: 27.8 mm	0 986 352 130
	Coupling	For setting up individual extensions to supply power to electrical equipment and lights, max. 16 A /12–24 V, with contacts complying with DIN ISO 4165	0 986 352 128
	Battery monitor	Protects the battery against total discharge by disconnecting loads in good time, e.g. cool boxes, seat heating, fans and other mobile 12V devices. Automatic reconnection when normal voltage conditions are restored. Suitable for cigarette lighter and standard sockets, with LED function indicator and short circuit protection, 1 m cable with coupling (internal Ø 21 mm), angular design allows adjustment for specific vehicle configuration.	0 986 352 127

Car fuses

Figure	Version	Rated current A	Colour	Qty. per bulk pack	Dimensions mm	Part number
	Torpedo fuses (6 x 25 mm), as per DIN 72581/1	5	yellow	100		1 904 520 015
		8	white	100		1 904 520 016
		16	red	100		1 904 520 018
		25	blue	100		1 904 520 017
	Fuse strips for diesel vehicles as per DIN 72581/2	25	grey	5		1 351 017 010
		30	grey	50		1 191 017 004
		50	grey	25		1 191 017 005
		80	grey	50		1 191 017 003
		100	grey	10		1 191 017 006
	Glas fuses	2	clear	25	5 x 20	1 904 521 441
		3,15	clear	25	5 x 20	1 987 529 011
		5	clear	25	6,35 x 32	1 987 529 901
		6,3	clear	25	6,35 x 32	1 904 522 750
		10	clear	25	6,35 x 32	1 987 529 902
		15	clear	25	6,35 x 32	1 987 529 903
		20	clear	25	6,35 x 32	1 987 529 904
		25	clear	25	6,35 x 32	1 987 529 905
	Screw locking element Midi (small), as per ISO 8820-5 For BMW, VAG, FORD, Daimler, Renault, Chrysler, Hyundai, KIA, Porsche High current fuse for agricultural machinery manufacturers etc. Screw in fuse with 32 V rated voltage for protection of high current wiring. Transparent cover for easy identification of blown fuses. Fuses are installed between the battery and the starter or alternator, for example.	30	orange	25		1 987 531 018
		40	green	25		1 987 531 017
		50	red	25		1 987 531 016
		60	yellow	25		1 987 531 014
		70	brown	25		1 987 531 013
		80	white	25		1 987 531 012
		100	blue	25		1 987 531 011
		125	pink	25		1 987 531 010
		200	violet	25		1 987 531 008
	Screw locking element Mega , as per ISO 8820-5 For BMW, VAG, FORD, Daimler, Renault, Chrysler, Hyundai, KIA, Porsche Screw in fuses with 32 V rated voltage for protection of high current wiring. Transparent cover for easy identification of blown fuses. Fuses are installed between the battery and the starter or alternator, for example.	100	yellow	10		1 987 531 000
		125	green	10		1 987 531 001
		150	orange	10		1 987 531 002
		175	white	10		1 987 531 003
		200	blue	10		1 987 531 004
		225	brown	10		1 987 531 005
		250	pink	10		1 987 531 006
		300	grey	10		1 987 531 007

Car fuses (continued)

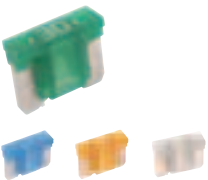
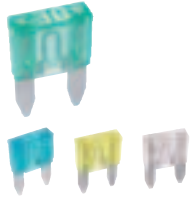
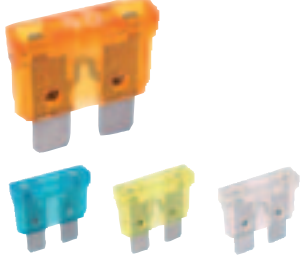
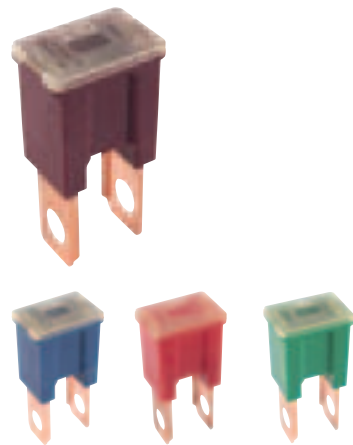
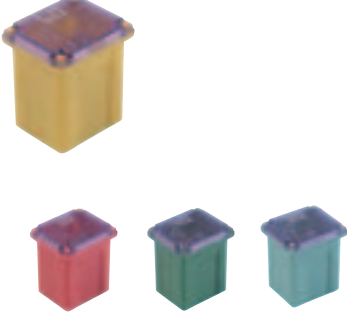
Figure	Version	Rated current	Color	Qty. per bulk pack	Part number
		A/V			
	Fuses Low-Profile Mini Low-profile mini fuses provide similar performance features as standard mini fuses. Designed for open terminals and forked contacts, eliminating the need for additional contact bushing. The low overall height also provides additional weight and material savings. Used in Japanese vehicles.	2/58	grey	10	1 987 529 041
		3/58	violet	10	1 987 529 042
		4/58	pink	10	1 987 529 043
		5/58	light brown	10	1 987 529 044
		7,5/58	brown	10	1 987 529 045
		10/58	red	10	1 987 529 046
		15/58	blue	10	1 987 529 047
		20/58	yellow	10	1 987 529 048
		25/58	white	10	1 987 529 049
		30/58	green	10	1 987 529 077
	Mini flat connection fuses, as per DIN 72581-3, ISO 8820-2 Rapidly becoming the new standard for circuit protection in vehicles. Their compact size enables more circuits to be protected with less space required. Transparent housing for easy identification of blown fuses. Excellent reliability	2	grey	50	1 987 529 025
		3	violet	50	1 987 529 026
		4	pink	50	1 987 529 027
		5	beige	50	1 987 529 028
		7,5	brown	50	1 987 529 029
		10	red	50	1 987 529 030
		15	blue	50	1 987 529 031
		20	yellow	50	1 987 529 032
		25	neutral	50	1 987 529 033
		30	green	50	1 987 529 034
	Standard flat connection fuses, as per DIN 72581-3, ISO 8820-2 These fuses have become the standard circuit protection for domestic and international passenger cars and trucks. They are easy to identify and replace and can be specified for a wide range of applications in the low voltage range.	3	violet	100	1 904 529 901
		4	pink	100	1 904 529 902
		5	beige	100	1 904 529 903
		7,5	brown	100	1 904 529 904
		10	red	100	1 904 529 905
		15	blue	100	1 904 529 906
		20	yellow	100	1 904 529 907
		25	neutral	100	1 904 529 908
		30	green	100	1 904 529 909
		40	orange	100	1 987 529 036
	Flat connection fuses, as per DIN 72581-3, ISO 8820-2 Standard fuse in maxi design. Transparent housing for easy identification of blown fuses.	20	yellow	5	1 987 529 018
		30	green	5	1 987 529 019
		40	orange	5	1 987 529 020
		50	red	5	1 987 529 021
		60	blue	5	1 987 529 022
		70	brown	5	1 987 529 023
		80	white	5	1 987 529 039
		100	violet	5	1 987 529 040
	Puller for blade-type fuse links			5	1 987 531 026

Figure	Version	Rated current A/V	Color	Qty. per bulk pack	Part number
 	Blister (Mini)	1 x 5		10	1 987 529 038
	Blister (Norm)	1 x 7,5		10	1 987 529 037
	Blister (Low profile)	1 x 25		10	1 987 529 078
		1 x 30			
		2 x 10			
		2 x 15			
		2 x 20			
	AS series male fuses Delay fuses with highly temperature resistant housing. Used in Japanese, European, American, and Korean vehicles.	20/32	blue	5	1 987 529 062
		30/32	pink	5	1 987 529 063
		40/32	green	5	1 987 529 064
		50/32	red	5	1 987 529 065
		60/32	yellow	5	1 987 529 066
	B series male fuses Delay fuses with highly temperature resistant housing. Used in Japanese, European, American, and Korean vehicles.	30/32	pink	5	1 987 529 068
		40/32	green	5	1 987 529 069
		50/32	red	5	1 987 529 070
		60/32	yellow	5	1 987 529 071
		70/32	brown	5	1 987 529 072
		80/32	black	5	1 987 529 073
		100/32	blue	5	1 987 529 074
		120/32	white	5	1 987 529 075
		140/32	dark-red	5	1 987 529 076



Car fuses (continued)

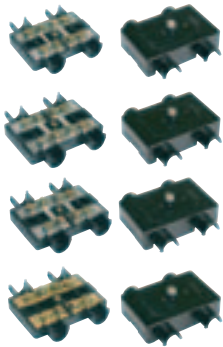
Figure	Version	Rated current	Color	Qty. per bulk pack	Part number
		A/V			
	J series fuses With longer time delay, lower voltage drop and better resistance to make currents, they are particularly well suited for circuits with high currents. Used in Japanese, European, American, and Korean vehicles.	20/32	light blue	5	1 987 529 056
		25/32	white	5	1 987 529 057
		30/32	pink	5	1 987 529 058
		40/32	green	5	1 987 529 059
		50/32	red	5	1 987 529 060
		60/32	yellow	5	1 987 529 061
	Low profile J series fuses Low profile fuses offer similar performance features to the standard J fuses. The low total height allows the use of shorter blade terminals and saves on space and weight. Used in Japanese, European, American, and Korean vehicles.	20/58	light blue	5	1 987 529 050
		25/58	white	5	1 987 529 051
		30/58	pink	5	1 987 529 052
		40/58	green	5	1 987 529 053
		50/58	red	5	1 987 529 054
		60/58	yellow	5	1 987 529 055

Setbox

Flat connection fuses (251 pcs.), as per DIN 72581-3

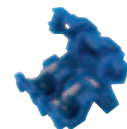
	Description	Nominal voltage	Qty.	Part number
		A		
	Mini flat connection fuses,	3	5	1 987 529 079
		5	15	
		7,5	15	
		10	30	
		15	30	
		20	30	
		25	15	
		30	15	
	Standard flat connection fuses,	3	5	
		5	10	
		7,5	10	
		10	15	
		15	15	
		20	15	
		25	10	
		30	10	
	Maxi flat connection fuses,	30	2	
		40	2	
		50	1	
		60	1	

Fuse holder and accessories

Figure	Description	Connection	Rated current	Included fuses Part number	Part number
	Double, for cylindrical fuses Fastening: 2 holes, Ø 5.3 mm, hole spacing 55 mm.	Screw terminal	1 x 25 A	1 351 017 010	0 354 120 003
			1 x 50 A	1 191 017 005	
			2 x 50 A	1 191 017 005	0 354 120 004
			2 x 80 A	1 191 017 003	0 354 120 005
					0 354 120 006 0 354 120 007
	For 3 flat fuses. Fastening: 2 holes, Ø 6.4 mm, hole spacing 112 mm.	Screw terminal	1 x 50 A	1 191 017 005	0 354 130 003
			1 x 80 A	1 191 017 003	
			1 x 100 A	1 191 017 006	

Spare cover for fuse boxes

Part number Fuse box	Part number Cover
0 354 120 003	1 350 516 003
0 354 120 004	1 350 516 003
0 354 120 005	1 350 516 003
0 354 130 003	1 350 516 000

Figure	Description	Conductor cross section mm ²	Color	Material / finish*)	Qty. per pack	Part number
	Fuse holder for connection fuses	0,5–1,5	blue	CuZn/brass / bright	6	8 781 324 028

*) CuZn = brass

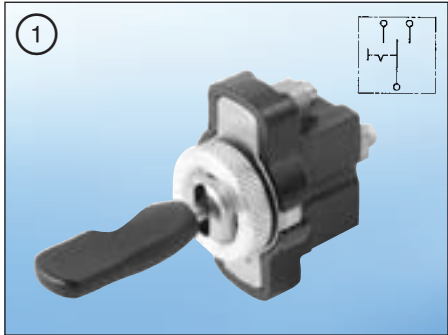
Battery cable terminals with zinc plated surface for securely fastening the starter cables to the starter battery

Figure	Conductor cross section mm ²	Pole	Part number
①	16.0–70.0	+	1 901 315 100 ¹⁾
		–	1 901 315 102 ¹⁾
		– +	1 901 315 120 ¹⁾
②	16.0–70.0	+	1 901 315 104 ¹⁾
		–	1 901 315 105 ¹⁾
		– +	1 901 315 125 ¹⁾
③	70.0–120.0	+	1 901 315 101 ¹⁾
		–	1 901 315 103 ¹⁾

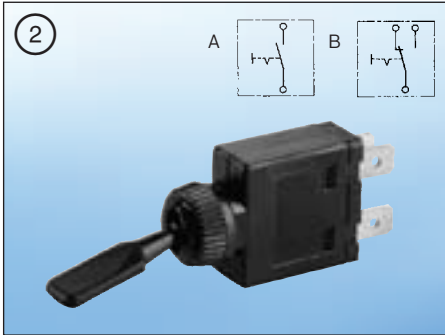
¹⁾ DIN 72331

Universal switches

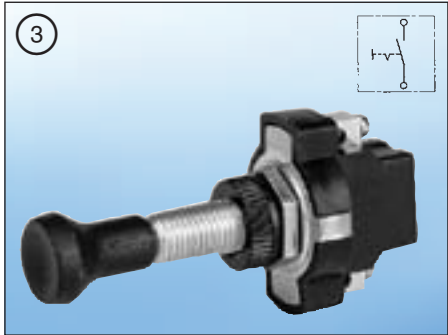
For wipers, signal equipment, fog lamps, power-window drives, etc.



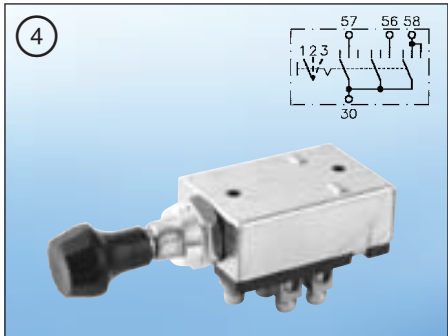
1 **Lever switch**
Change-over switch (two-way contact with neutral position)
Switching capacity: 48 W/24 V.
Fastening: with knurled nut M 12 x 1.
Fitting: Ø 12.5 mm. For wall thicknesses up to 3 mm.
Connection: screw terminals.
0 986 340 100



2 **Lever switch**
On-off switch (NO contact)
Switching capacity: 75 W/24 V.
Fastening: with round nut M 12 x 1.
Fitting: Ø 12 mm. For wall thicknesses up to 6 mm. Connection: blade terminals.
Diagram A **0 341 500 801**
as ..801, but
change-over switch (change-over contact)
Diagram B **0 341 500 803**



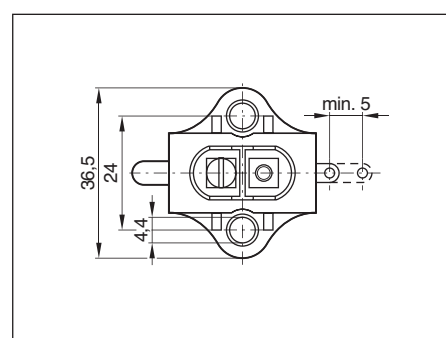
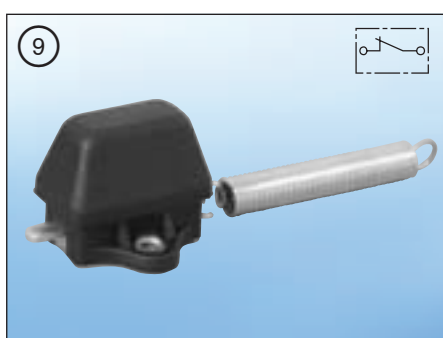
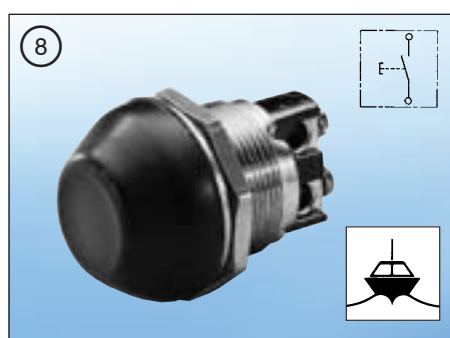
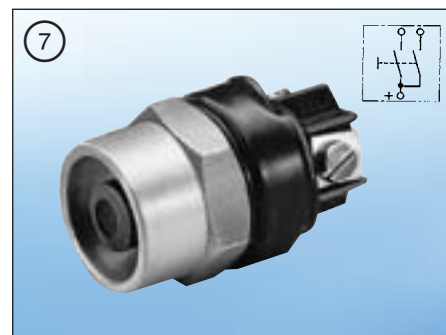
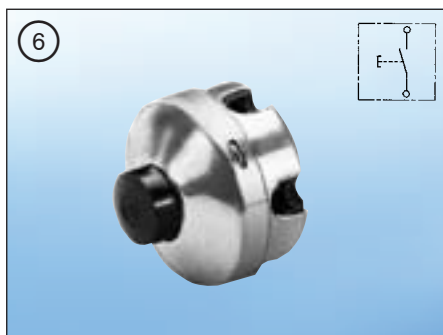
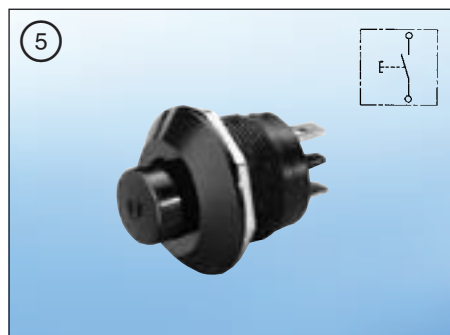
3 **Push-pull switch**
On-off switch (NO contact)
Knob, black.
Switching capacity: 60 W/24 V.
Fastening: with knurled nut M 8 x 0.75.
Fitting: Ø 8.5 mm. For wall thicknesses up to 5 mm.
Connection: screw terminals.
0 986 340 001



4 **Push-pull switch**
multi-position switch
Switching capacity: 100 W 24 V.
Switch positions: 1 Off, 2 Blower stage I, 3 Blower Stage II.
Fastening: with round nut M 10 x 1.
Fitting: Ø 10.5 mm. For wall thicknesses up to 2 mm.
Connection: screw terminals.
0 986 340 120

Degrees of protection (complies with IEC 60529 and DIN 40050, page 9)

Designation	Protection against contact	Protection against foreign bodies	Protection against water
IP 40	with tools etc. thickness Ø > 1 mm	Ø > 1 mm	no protection
IP 54	complete	dust-protected	Splashwater, from all directions
IP 64	complete	dust-protected	Splashwater, from all directions



5 Momentary push-button NO contact

Switching capacity: 30 A/6 V, 20 A/12 V, 15 A/24 V. (On-time 10 s each)

Fastening: with octagon nut.

Fitting: Ø 22.5 mm. For wall thicknesses up to 6 mm.

Connection: screw terminals.

0 343 003 001

as ..001, but

Connection: blade terminals.

0 343 003 004

as ..001, but

Connection: blade terminals. Push-button and cover grey.

0 343 003 007

as ..001, but

Connection: blade terminals. Push-button ivory colored, polished aluminum.

0 343 003 005

6 Momentary push-button NO contact

Push-button black, housing polished aluminum.

Switching capacity: 15 A/12 V, 7.5 A/24 V. (On-time 10 s each)

Fastening: 2 holes with Ø 3.7 mm.

Hole spacing 17 mm, external Ø 26 mm.

Connection: 1 screw terminal.

0 343 007 001

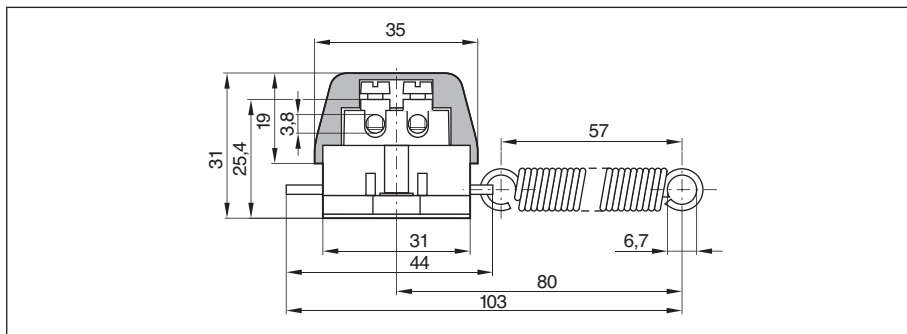
as ..007 001, but

Fastening: 2 holes with Ø 4.2 mm.

Hole spacing 23 mm, external Ø 35 mm.

Connection: 2 screw terminals.

0 343 013 001



7 Momentary push-button NO contacts with two makes

Push-button black, surface green. Hexagon aluminum nut with protective rim to prevent undesired actuation.

Degree of protection: housing IP 40, contact chamber IP 64.

Switching capacity:

Terminal 1: 26 A/6 V, 25 A/12 V, 20 A/24 V (On-time 2 min each)

or 100 A/6 V, 50 A/12 V, 50 A/24 V (On-time 1 s each).

Terminal 2: 20 A/24 V (Resistive load)

Terminal 3: (+) lead

Fastening: with hexagon nut.

Fitting: Ø 22.5 mm. For wall thicknesses up to 3 mm.

Connection: screw terminals.

0 343 004 003

8 Momentary push-button NO contact

Protective rubber cap on knob side: Metal parts made of brass. Seawater-resistant. Degree of protection IP 54.

Switching capacity:

400 W/24 V (on-time 1 s).

250 W/24 V (on-time 2 min).

Fastening: with hexagon nut.

Fitting: Ø 22.5 mm. For wall thicknesses up to 9 mm.

Connection: screw terminals.

0 340 000 001

9 Mechanical brake-light switch - Push-pull switch

Switched-on in neutral position,

2 screw-type M 4 terminals,

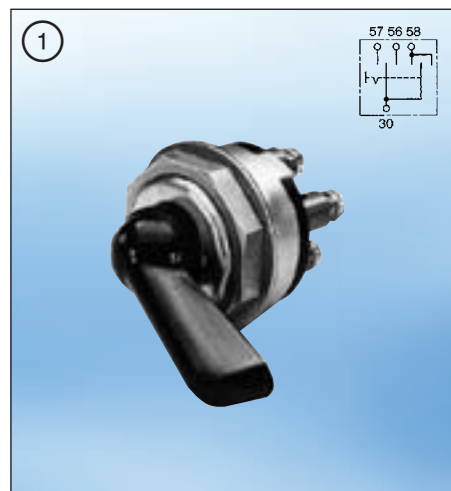
permissible loading: 7 A/12 V

4 x 21 W/12 V

permissible ambient temperature: -40...+120 °C

0 986 340 010

Light switches



1 Rotary switch. Two-way contact with neutral position

For side-marker lamps and upper/lower beam. With black switch lever.
Switching capacity: 10 W/12 V (terminal 57)
90 W/12 V (terminals 56, 58).
Fastening: with octagon nut M 26 x 1.
Fitting: Ø 26.5 mm. For wall thicknesses up to 2 mm.
Connection: screw terminals.

0 341 100 001

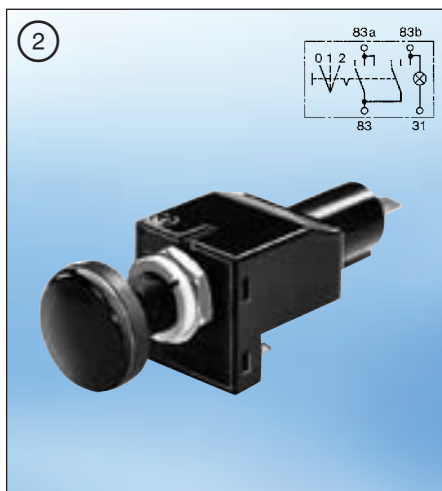
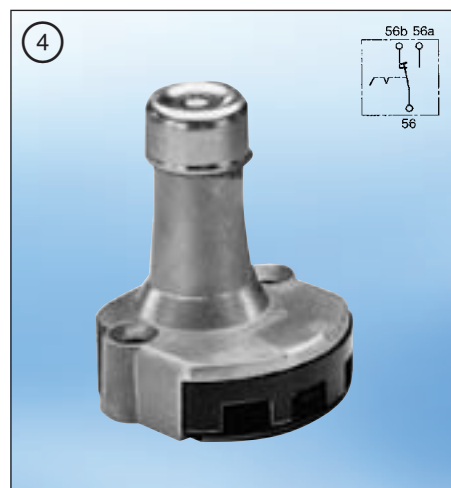
Spare parts

Fastening nut	1 343 300 002
Washer	3 340 102 000

4 Foot-operated switch Change-over contact, with detent

For upper and lower beam. Switches with-out break. Corrosion-protected finish.
Switching capacity: 120 W/24 V. For cables up to 4 mm² with or without cable lug.
Fastening: from above with 2 oval-head screws, hole Ø 5.3 mm, with hole spacing 38 mm.
Connection: screw terminals.

0 340 603 001



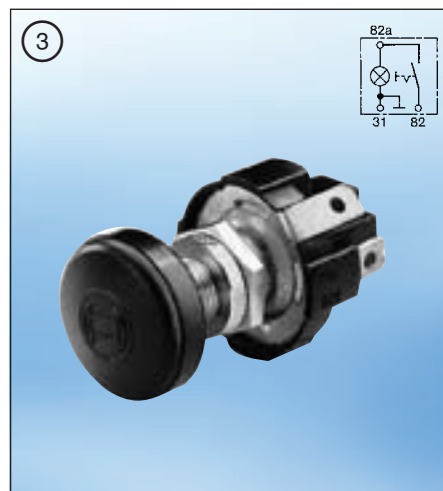
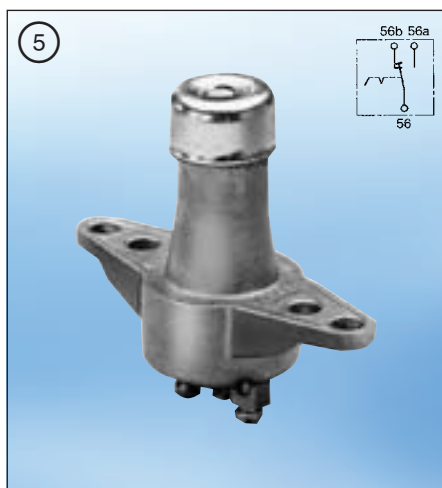
2 Push-pull switch Multi-position switch

For fog lamps and fog warning lamps. With indicator lamp and green lens (yellow lens enclosed).
Switching capacity: 140 W/24 V (terminal 83a), 35 W/24 V (terminal 83b).
Switch positions: 0 Off, 1 Fog lamp, 2 Fog lamp and tail lamp.
Fastening: with round nut M 14 x 1.5.
Fitting: Ø 14.5 mm. For wall thicknesses up to 6.5 mm (up to 10.5 mm without lock nut).
Connection: blade terminals.
Bulb connection: screw terminals.
Order bulb separately.

0 340 006 004

Bulb (shape J)

12 V 2.0 W	1 987 302 224
24 V 3.0 W	1 987 302 519



3 Push-pull switch On-off switch (NO contact)

For fog warning lamp. With safety knob, black, made of soft PVC, and indicator lamp. Green lens fitted, red and yellow lenses enclosed.
Switching capacity: 100 W/24 V.
Fastening: with knurled nut M 12 x 1.
Fitting: Ø 12.5 mm. For wall thicknesses up to 6 mm.
Connection: blade or screw terminals.
12 V bulb fitted.

0 340 006 012

Bulb (shape W)

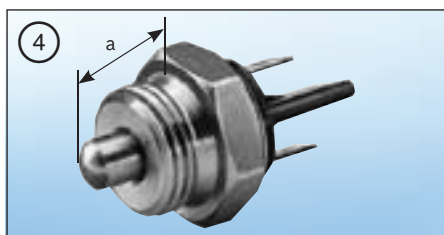
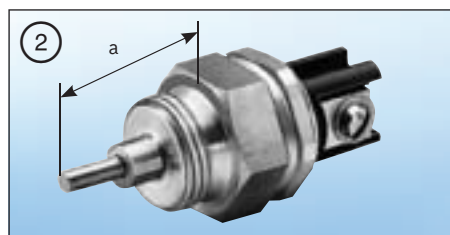
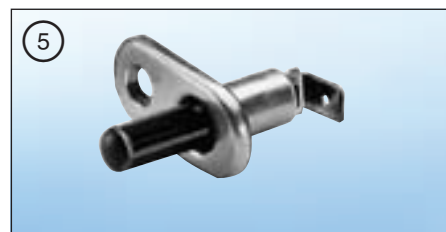
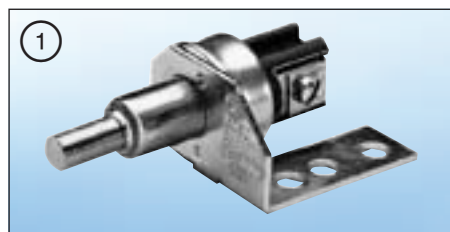
12 V 1.2 W	1 987 302 208
24 V 1.2 W	1 987 302 504

5 Foot-operated switch Change-over contact, with detent

For upper and lower beam. Switches with-out break. Corrosion-protected finish.
Switching capacity: 120 W/24 V. For cables up to 6 mm² without cable lug.
Fastening: from below with 4 screws, hole Ø 6.4 mm, with hole spacing 44.5 and 67 mm.
Fitting: Ø 23 mm.
Connection: screw terminals, accessible from below.

0 340 604 001

Hazard-warning switches, alarm switch, backup lamp switches, door-contact switch



Backup lamp switches

1 Plunger switch/NO contact
For attachment to gearshift linkage.
For switching on the backup lamp when reverse gear is engaged.
Contact travel: approx. 10 mm
Switching capacity: 60 W/24 V.
Fastening: 3 holes, Ø 5.3 mm, hole-spacing 20 mm and 12 mm.
Connection: screw terminals.

0 343 101 003

2 Plunger switch/NO contact
For screwing into gearbox cover.
Contact travel approx. 6 mm. For switching on the backup lamp when reverse gear is engaged.
Switching capacity: 60 W/24 V.
Fastening: screw thread M 18 x 1.5.
Connection: screw terminals
a = 24 mm

0 343 102 015

as above, but blade terminal connection

a = 21 mm **0 343 102 024**

Accessories (order separately)

Protective cap **3 340 522 001**

3 Plunger switch/NO contact
For screwing into gearbox cover.
Contact travel approx. 2.2 mm. For switching on the backup lamp when reverse gear is engaged.
Switching capacity: 5 W/12 V.
Fastening: screw thread M 12 x 1.
Connection: 2 blade terminals.

0 343 102 008

as ..008, but
Connection: 1 blade terminal, ground return through switch housing.

0 343 102 010

4 Plunger switch/NO contact
For screwing into gearbox cover.
Contact travel approx. 1 mm. For switching on the backup lamp when reverse gear is engaged.
Switching capacity: 60 W/12 V.
Fastening: screw thread M 18 x 1.5.
Connection: blade terminal.
a = 15 mm

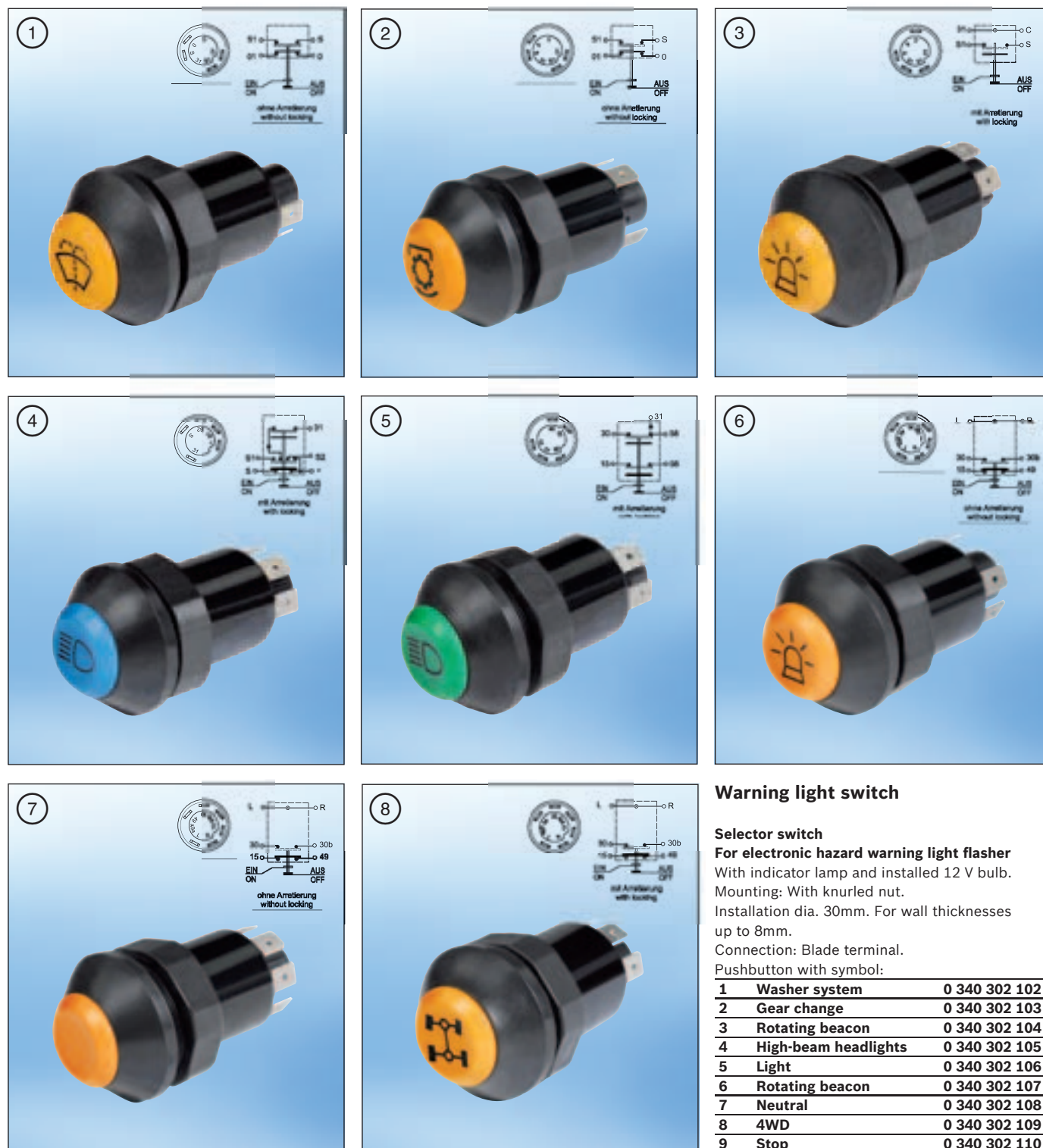
0 343 102 011

Door-contact switch

5 Plunger switch NC contact
For switching interior lighting on and off.
Switching capacity: 12 W/24 V.
Fastening: screw Ø 4 mm.
Connection: 1-pole blade terminal.

0 343 107 002

Hazard-warning switches, alarm switch, backup lamp switches, door-contact switch



Warning light switch

Selector switch

For electronic hazard warning light flasher

With indicator lamp and installed 12 V bulb.

Mounting: With knurled nut.

Installation dia. 30mm. For wall thicknesses up to 8mm.

Connection: Blade terminal.

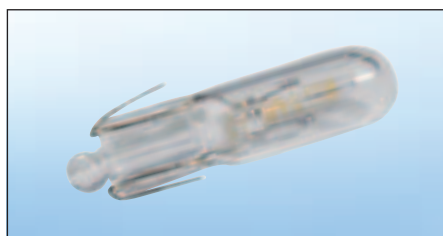
Pushbutton with symbol:

1	Washer system	0 340 302 102
2	Gear change	0 340 302 103
3	Rotating beacon	0 340 302 104
4	High-beam headlights	0 340 302 105
5	Light	0 340 302 106
6	Rotating beacon	0 340 302 107
7	Neutral	0 340 302 108
8	4WD	0 340 302 109
9	Stop	0 340 302 110
10	Warning light	0 340 302 111
11	Raising & lowering	0 340 302 112
12	Horn	0 340 302 113
13	Start	0 340 302 114
14	Raising & lowering	0 340 302 115



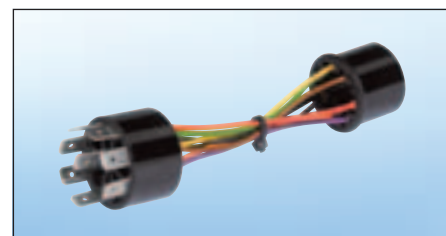
Accessories (order separately)

Plug housing **0 340 302 100**



Accessories (order separately)

Bulb (W shape) 12 V 1,2 W **0 340 302 101**

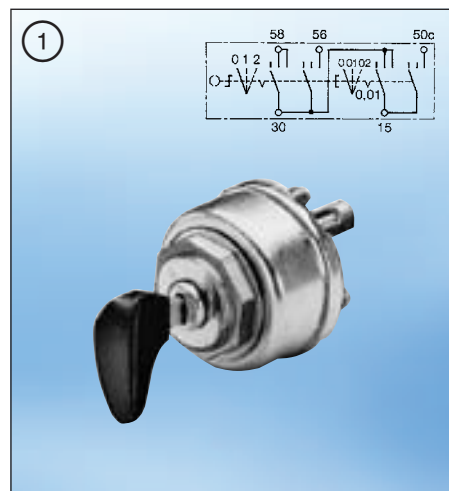


Accessories (order separately)

Adaptor **0 340 302 150**

Headlamp-ignition switches

Up to 24 V. For motor vehicles with spark-ignition or diesel engines (driving switch)



1 Key-operated switch up to 24 V, housing Ø 48 mm

Key can be removed in any position.
Design: Housing and U-disk galvanized.
Switching capacity: 100 A/24 V, 2 min (terminal 15).
Fastening: polished aluminum octagon nut M 26 x 1.
Fitting: Ø 26.5 mm with cutout 33.5 x 7.5 mm (twist-proof).
For wall thicknesses up to 2 mm.

Nickel-plated key. Key with grip in plastic jacket. Colour black.
Additional function: On/off switching of battery relay.
Switching capacity: 20 W (terminal 50 c), 100 W (terminal 56), 180 W (terminal 58), 250 W (terminal 15).
Switch positions: 0 Off / 01 Daytime loads / 02 Battery relay energized / 1 Side-marker lamp / 2 Headlamps.

Terminals connected:

	key inserted	key removed
0	–	–
01	30–15	–
02	30–15–50c	–
1	30–15, 30–58	30–58
2	30–15, 30–56–58	30–56–58

Connection: screw terminals.

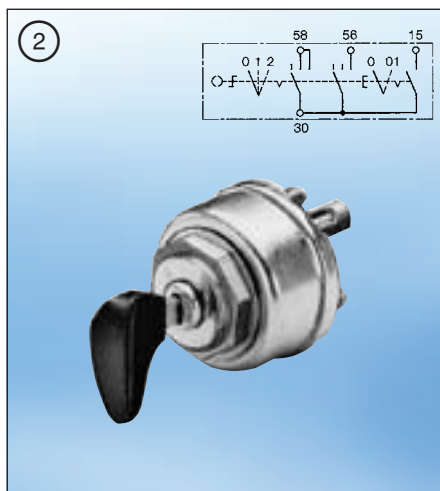
with 1 key **0 342 307 001**

as ..307 001, but

Design: Housing, octagon nut and U-disk black.

with 1 key **0 342 307 002**

Substitute key **3 341 982 101**



2 Key-operated switch up to 24 V, housing Ø 48 mm

Key can be removed in any position.
Switching capacity: 100 A/24 V, 2 min (terminal 15).
Fastening: polished aluminum octagon nut M 26 x 1.
Fitting: Ø 26.5 mm with cutout 33.5 x 7.5 mm (twist-proof). For wall thicknesses up to 2 mm.

Zinc-plated steel key. Key grip in black plastic jacket.
Switching capacity: 250 W (terminal 15), 150 W (terminal 56), 200 W (terminal 58).
Switch positions: 0 Off / 01 Daytime loads / 1 Side-marker lamp / 2 Headlamps.

Terminals connected:

	key inserted	key removed
0	–	–
01	30–15	–
02	30–15–58	30–58
2	30–15–56–58	30–56–58 ¹⁾

Connection: screw terminals 15, 30; blade terminals 30, 56, 58.

with 1 key **0 342 106 012**

as ..106 012, but nickel-plated key:

50 W (terminal 15),
100 W (terminal 56),
200 W (terminal 58).

Connection: screw terminals

with 1 key **0 342 106 004**

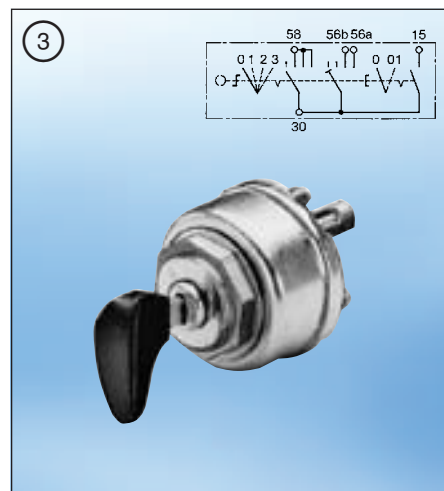
as ..106 012, but nickel-plated key:

Switching capacity: 50 W (terminal 15),
100 W (terminal 56), 200 W (terminal 58).
Connection: screw terminals 30, 56, 58:
M 4. 15, 30: M 6.

Terminals protected against contact.

For cables up to 16 mm².

with 1 key **0 342 106 005**



3 Key-operated switch up to 24 V, housing Ø 48 mm

Key can be removed in any position.
Switching capacity: 100 A/24 V, 2 min (terminal 15).
Fastening: polished aluminum octagon nut M 26 x 1.
Fitting: Ø 26.5 mm with cutout 33.5 x 7.5 mm (twist-proof). For wall thicknesses up to 2 mm.

Nickel-plated key. Key with grip in black plastic jacket.

Switching capacity: 250 W (terminal 15), 100 W (terminal 56a, 56b), 150 W (terminal 58).
Switch positions: 0 Off / 01 Daytime loads / 1 Side-marker lamp / 2 Low beam / 3 High beam.

Terminals connected:

	key inserted	key removed
0	–	–
01	30–15	–
1	30–15–58	30–58
2	30–15–56b–58	30–56b–58 ²⁾
3	30–15–56a–58	30–56a–58 ²⁾

Connection: screw terminals 15, 30;

blade terminal 30, 56a, 56b, 58.

with 1 key **0 342 201 010**

as ..201 010, but but nickel-plated key.

Key grip in plastic jacket. Colour black.

Switching capacity: 100 W (terminals 56a, 56b),
150 W (terminal 58), 250 W (terminal 15).

with 1 key **0 342 201 009**

Spare parts

Switch key	3 341 982 101
Octagon nut	1 343 300 002
Washer	3 340 102 000

Spare parts

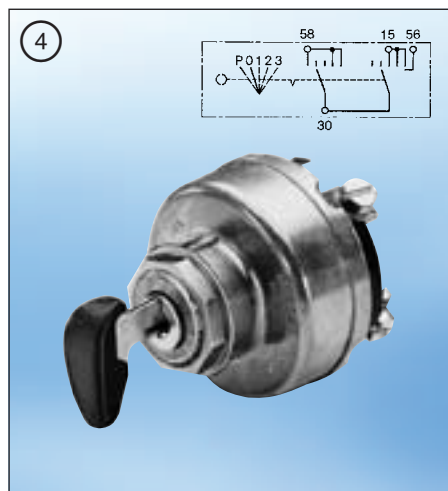
Switch key for
0 342 106 004, ..005

3 341 981 010

¹⁾ only on 0 342 106 012

²⁾ only on 0 342 201 009

Ignition switches



④ Key-operated switch up to 24 V, housing Ø 62 mm

Key can be removed only in position 0 or P. Switching capacity: 100 A/24 V, 2 min (terminal 15).

Fastening: polished aluminum octagon nut M 26 x 1.

Fitting: Ø 26.5 mm with cutout 33.5 x 7.5 mm (twist-proof).

For wall thicknesses up to 2 mm.

Nickel-plated key. Key with grip in plastic jacket. Colour black.

Lock No. E 30.

Switching capacity: 100 W (terminals 56, 58), 150 W (terminal 15).

Switch positions: P Parking lamps / 0 Off / 1 Daytime loads / 2 Side-marker lamp / 3 Headlamps.

Terminals connected:

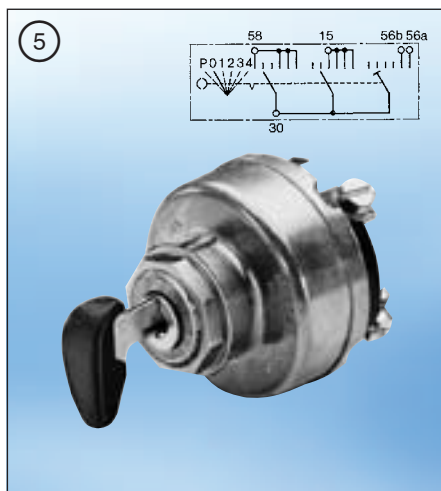
	key inserted	key removed
P	30-58	30-58
0	-	-
1	30-15	-
2	30-15-58	-
3	30-15-56-58	-

Connection: screw terminals 15, 30, 58; blade terminals 15, 30, 56

with 2 keys **0 342 202 001**

as ..202 001, but key with grip in plastic jacket. Lock No. U 39.

with 2 keys **0 342 202 002**



⑤ Key-operated switch up to 24 V, housing Ø 62 mm

Key can be removed only in position 0 or P. Switching capacity: 100 A/24 V, 2 min (terminal 15).

Fastening: polished aluminum octagon nut M 26 x 1.

Fitting: Ø 26.5 mm with cutout 33.5 x 7.5 mm (twist-proof).

For wall thicknesses up to 2 mm.

Nickel-plated key. Key with grip in plastic jacket. Colour black. Lock No. K 30.

Switching capacity: 100 W (terminals 56a, 56b, 58), 150 W (terminal 15).

Switch positions: P Parking lamps / 0 Off / 1 Daytime loads / 2 Side-marker lamp / 3 Headlamps / 4 High beam.

Terminals connected:

	key inserted	key removed
P	30 - 58	30 - 58
0	-	-
1	30-15	-
2	30-15-58	-
3	30-15-56b-58	-
4	30-15-56a-58	-

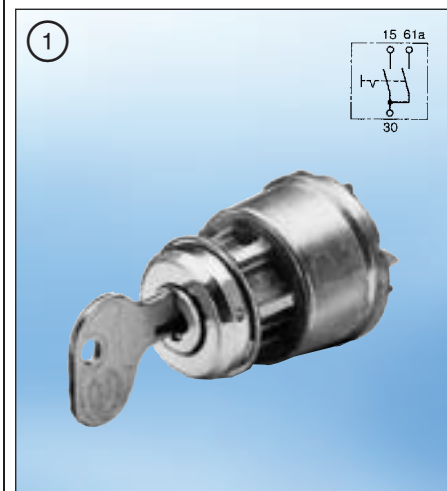
Connection: screw terminals 15, 30, 58; blade terminals 15, 30, 56a, 56b.

with 2 keys **0 342 203 001**

Spare parts

Switch key E 30	3 341 980 279
Switch key U 39	3 341 980 338
Octagon nut	1 343 300 002

Regarding spare keys for headlamp-ignition switches, please contact your authorized representative (address, see back cover)



① Key-operated switch up to 24 V, with safety lock.

Key can be removed only in "off" position. Lock No. E 1 ... E 50.

Switching capacity: 20 A/24 V.

60 W (terminal 15), 5 W (terminal 61a).

Fastening: with unpolished aluminum round nut M 22 x 1.

Fitting: Ø 22.5 mm, with cutout (twist-proof)

For wall thicknesses up to 3 mm.

Connection: blade terminals.

with 2 keys **0 342 006 001**

as ..006 001, but with polished round nut, lock No. E 30.

with 3 keys **0 342 006 003**

as ..006 001, but key with grip in plastic jacket, lock No. K 3.

with 2 keys **0 342 006 007**

as ..006 001, but lock No. E 41.

with 2 keys **0 342 006 009**

Spare parts

Washer **1 330 140 000**

Ignition switches

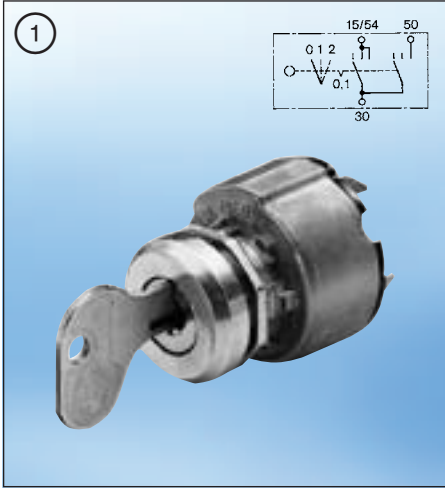


2 Key-operated switch up to 24 V, with safety lock.
Key can be removed only in "off" position. Lock No. E 1 ... E 50.
Switching capacity: 20 A/24 V.
60 W (terminal 15), 5 W (terminal 61a).
Fastening: with unpolished aluminum round nut M 22 x 1.
Fitting: Ø 22.5 mm, with cutout (twist-proof)
For wall thicknesses up to 3 mm.
Connection: blade terminals.

Plastic housing	0 342 006 020
Spare parts	
Switch key	3 341 982 300

Ignition and starting switches

Up to 24 V

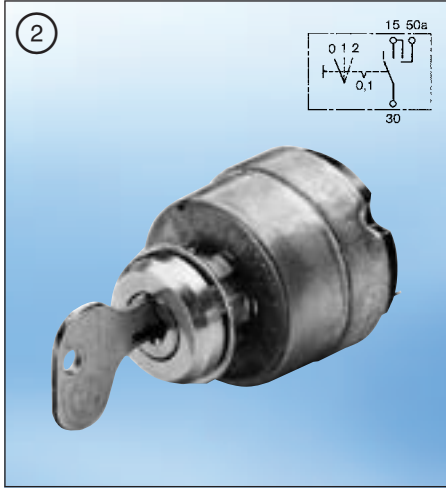


1 Key-operated starting switch with start-repeating block
Key can be removed only in "off" position. Nickel-plated key.
Key lock No. E 1...E 50.
Switching capacity: 90 W (terminals 15, 54)
12 A/12 V (terminal 50), 9 A/24 V (terminal 50).
Fastening: octagon and round nut M 22 x 1.
Fitting: Ø 22.5 mm (twist-proof). For wall thicknesses up to 9 mm.
Switch positions: 0 Off, 1 On, 2 Start.
Connection: blade terminals.

with 2 keys	0 342 311 003
as ..311 003, but lock No. K 11.	
with 2 keys	0 342 311 004
as ..311 003, but lock No. E 11.	
without key	0 342 311 006
as ..311 003, but lock No. E 30.	
with 2 keys	0 342 311 007

Spare parts	
Switch key E 11	3 341 980 260
Switch key E 30	3 341 980 279
Switch key K 11	3 341 982 210

Regarding spare keys for headlamp-ignition switches, please contact your authorized representative (address, see back cover)



2 Key-operated starting switch without start-repeating block
Key can be removed only in "off" position. Key with grip in plastic jacket.
Key lock E 80.
Switching capacity: 150 W (terminal 15), 16 A/12 V (terminal 50a), 8 A/24 V (terminal 50a).
Fastening: octagon and round nut M 22 x 1.
Fitting: Ø 22.5 mm (twist-proof).
For wall thicknesses up to 6 mm.
Switch positions: 0 Off, 1 On, 2 Start.
Connection: blade terminals.

with 2 keys	0 342 309 008
Spare parts	
Switch key E 80	3 341 980 379
Washer	1 330 140 000





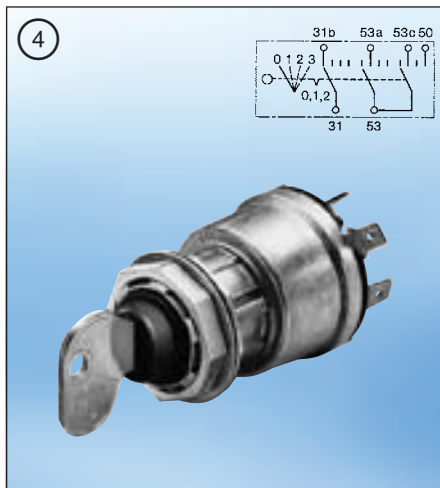
③ Key-operated starting switch without start-repeating block

Key can be removed only in "off" position.
Key with grip in plastic jacket.
Key lock E 80.
Switching capacity: 150 W (terminal 15),
16 A/12 V (terminal 50a),
8 A/24 V (terminal 50a).
Fastening: octagon and round nut M 22 x 1.
Fitting: Ø 22.5 mm (twist-proof).
For wall thicknesses up to 6 mm.
Switch positions: 0 Off, 1 On, 2 Start.
Connection: blade terminals.

Plastic housing **0 342 309 020**

Spare parts

Switch key **3 341 982 300**



④ Key-operated light/starting switch without start-repeating block

Key can be removed only in "off" position. Nickel-plated key. Key lock No. E 1...E 50.
Switching capacity: 80 W (terminals 53, 53c)
16 A/12 V (terminal 50),
8 A/24 V (terminal 50).
Fastening: two octagon nuts M 26 x 1.
Fitting: Ø 26.5 mm (twist-proof). For wall thicknesses up to 6 mm.
Switch positions: 0 Off, 1 Night driving, 2 Daytime driving, 3 Start.
Connection: blade terminals.

with 2 keys **0 342 309 007**

Spare parts

Octagon nut outside **1 343 300 002**
Washer outside **3 340 102 000**

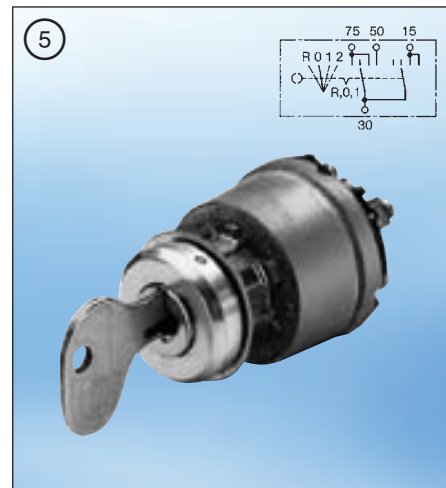
For all key-operated switches
DIN 40 050
Housing IP 30
Connection IP 00

Accessories (order separately)

Hinged cover

For key-operated switches, protects against dust and moisture.
Material: Polyamide 6 (cover),
Fastening: with nut of switch.

for thread M 22 x 1 **3 347 000 032**
for thread M 26 x 1 **3 347 000 030**



⑤ Key-operated radio/starting switch without start-repeating block

Key can be removed only in "off" position. Nickel-plated key. Key lock No. E 1...E 50.
Switching capacity: 150 W (terminals 15, 75)
9.5 A/12 V (terminal 50),
4.5 A/24 V (terminal 50).
Fastening: octagon and round nut M 22 x 1.
Fitting: Ø 22.5 mm (twist-proof). For wall thicknesses up to 7 mm.
Switch positions: R Radio / 0 Off / 1 On / 2 Start
Connection: screw terminals.

with 2 keys **0 342 309 003**

as ..309 003, but lock No. E 30.

with 2 keys **0 342 309 006**

as ..309 003, key with grip in plastic jacket.

Lock No. U 39.

Connection: blade terminals.

with 2 keys **0 342 309 009**

as ..309 003, but key with grip in plastic jacket.

Lock No. K 1...50.

Connection: blade terminals.

with 2 keys **0 342 309 011**

as ..309 003, but lock No. K 10

Connection: blade terminals.

with 2 keys **0 342 309 012**

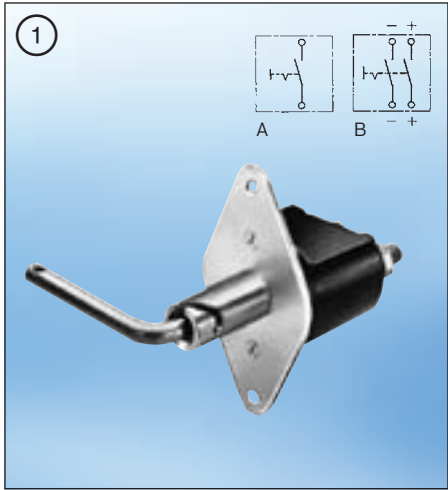
as ..309 005, but lock No. K 30

with 2 keys **0 342 309 010**

Spare parts

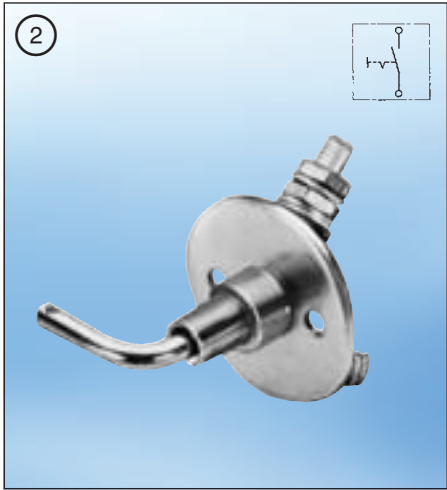
Switch key E 30 **3 341 980 279**
Switch key K 10 **3 341 982 209**
Switch key K 30 **3 341 982 229**
Switch key U 39 **3 341 980 338**
Washer **1 330 140 000**

Battery master switches



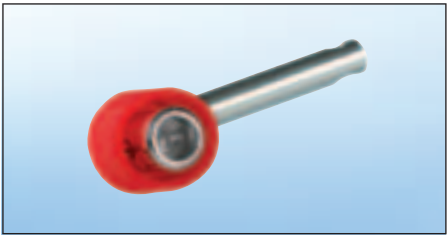
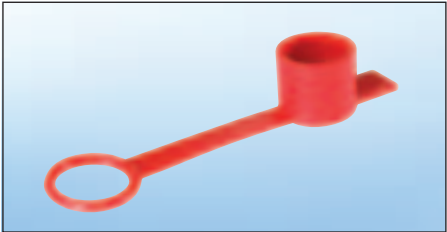
1 Lever switch with switch-on detent
Lever: removable.
Switching capacity: 250 A/24 V, 2500 A (5 s)
Fitting: Ø 23.5 mm, 2 holes Ø 6.4 mm.
Hole spacing 100 mm. For wall thicknesses up to 25 mm.
Degree of protection: on handle side IP 00, on housing side IP 54, terminals IP 00.
Connection: threaded terminal for cable lug
1-pole, diagram A 0 341 002 003

as ..002 003, but
for two-pole cutoff,
e.g. of combined 12-V and 24-V battery systems.
Fitting: Ø 23.5 mm, 2 holes Ø 8.4 mm.
Hole spacing 120 mm.
2-pole, diagram B 0 341 003 004



2 Lever switch with switch-on detent
Galvanized housing. Lever: galvanized and removable.
Switching capacity: 100 A/24 V, 500 A (5 s)
Fitting: Ø 23 mm, 2 holes Ø 6.4 mm.
Hole spacing 38 mm. For wall thicknesses up to 14 mm.
Degree of protection: terminals IP 00, housing IP 50.
Connection: threaded terminal for cable lug
0 341 001 001

Spare parts
Switch lever 3 342 027 051



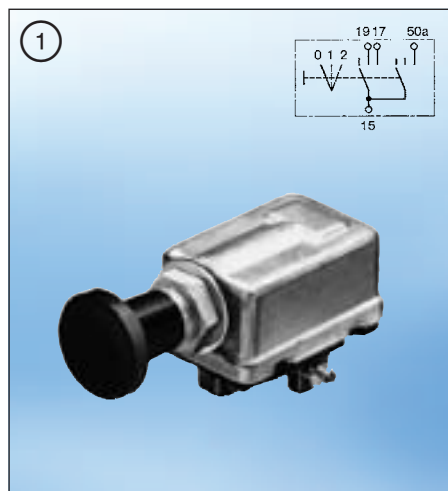
Spare parts

Switch lever	1 342 026 002
Protective cap	1 342 026 003
Protective cap without key	1 342 026 004

Degrees of protection (complies with IEC 60529 and DIN 40050, page 9)

Designation	Protection against contact	Protection against foreign bodies	Protection against water
IP 00	No protection	No protection	No protection
IP 30	With tools etc. thickness Ø > 2.5 mm	Ø > 2.5 mm	No protection
IP 50	Complete	Dust-protected	No protection
IP 54	Complete	Dust-protected	Splashwater, from all directions

Glow-plug and starting switches



1 Push-pull starting switch

Galvanized steel housing. With black knob, enclosed loose.
Switching capacity: 50 A/12 V (term. 17, 19) 27 A/24 V (terminals 17, 19), 12 A/12 V (terminal 50a), 9 A/24 V (terminal 50a).
Fastening: with hexagon nut M 10 x 1.
Fitting: Ø 10.5 mm. For wall thicknesses up to 3 mm.
Switch positions: knob must be held in position 1 (preheating) and 2 (start); returns automatically to position 0 (off).
Connection: screw terminals.

0 343 008 006

as ..008 006, but without knob.

0 343 008 007

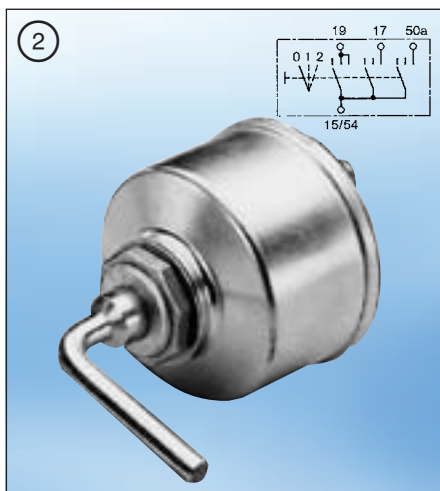
as ..008 006, but

Connection: blade terminals, without knob

0 343 008 009

Spare parts

Knob **3 343 231 070**



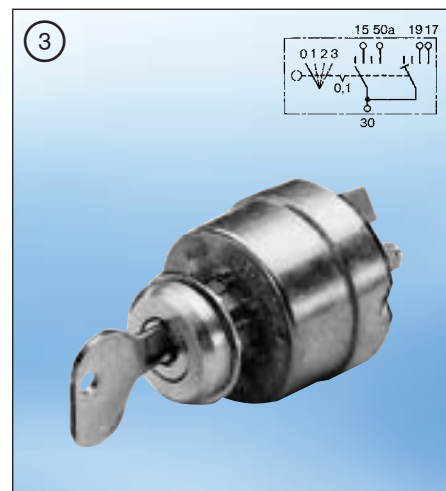
2 Rotary starting switch

Galvanized steel housing and switch lever.
Switching capacity: 12 A/12 V (terminal 50a) 9 A/24 V (terminal 50a), 100 A/24 V (terminals 17, 19), On-time 2 min.
Fastening: with pickled aluminum octagon nut.
Fitting: Ø 26.5 mm, with cutout (twist-proof). For wall thicknesses up to 2 mm.
Switch positions: switch handle must be held in position 1 (preheating) and 2 (start); it returns automatically to position 0 (off); cannot be removed.
Connection: screw terminals.

0 343 401 001

Spare parts

Octagon nut **1 343 300 002**
Washer **3 340 102 000**



3 Key-operated starting switch

with safety lock.
Key can be removed only in "off" position. Nickel-plated key. Key lock No. E 30.
Switching capacity: 13 A/24 V continuous duty (terminal 15), 33 A/24 V (terminals 17, 19).
On-time 2 min.
150 W/24 V (terminal 15), 18 A/12 V (terminal 50a), 9 A/24 V (terminal 50a).
Fastening: with octagon nut and unpolished aluminum round nut.
Fitting: Ø 22.5 mm, with cutout (twist-proof).
For wall thicknesses up to 6 mm.
Switch positions: 0 Off / 1 On / 2 Preheating / 3 Start.
Connection: screw terminals.
with 2 keys **0 342 315 001**

as ..315 001, but

key with grip in plastic jacket, lock No. U 39

with 2 keys **0 342 315 004**

Spare keys

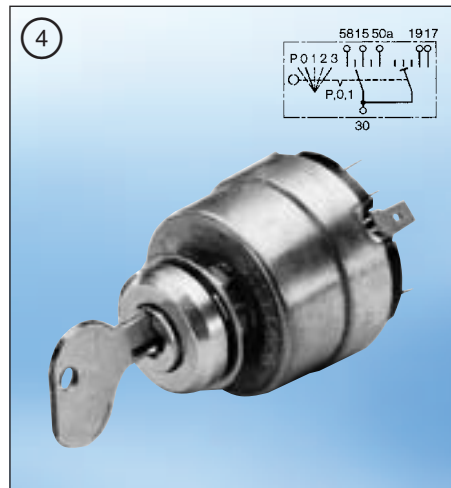
The key formula consists of the key designation (letter) and the key number.

The key designation informs about the type of key or its type of protection. Keys with the same key number, but with different designation, are interchangeable.

E	key, nickel-plated
K	key with grip in plastic jacket
N	nickel-silver
U	key with grip in plastic jacket
E 11	3 341 980 260
E 30	3 341 980 279
E 80	3 341 980 379
K 10	3 341 982 209
K 30	3 341 982 229
K 80	3 341 982 279
N 30	3 341 980 329
U 39	3 341 980 338



Glow-plug and starting switches



④ Key-operated light/starting switch

with safety lock. Key can be removed only in "off" position. Nickel-plated key.

Key lock No. E 51-E 100.

Switching capacity: 13 A/24 V continuous duty (terminal 15), 33 A/24 V (terminals 17, 19).

On-time 2 min.

18 A/12 V (terminal 50a), 9 A/24 V (terminal 58).

Fastening: with octagon nut and unpolished aluminum round nut M 22 x 1.

Fitting: Ø 22.5 mm, with cutout (twist-proof). For wall thicknesses up to 6 mm.

Switch positions: P Parking lamp / 0 Off / 1 On / 2 Preheating / 3 Start.

Connection: for terminals 17, 19, 30, connect both terminals if current above 45 A.

with 2 keys **0 342 316 002**

as ..316 002, but

key with grip in plastic jacket and round nut painted black. Lock No. K 80.

with 2 keys **0 342 316 003**

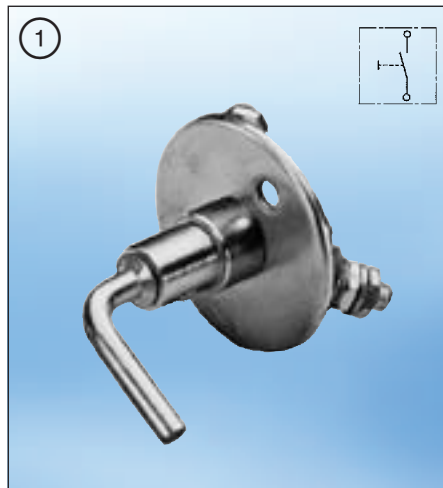
Spare parts for ③ ④

Switch keys for lock Nos.

E 30	3 341 980 279
K 80	3 341 982 279
N 30	3 341 980 329
U 39	3 341 980 338
Washer	1 330 140 000

Regarding spare keys for headlamp-ignition switches, please contact your authorized representative (address, see back cover)

Glow-plug switches



① Preheat lever switch

Galvanized steel housing. Chrome-plated switch lever, not removable.

Switching capacity: 100 A/12 V (on-time 2 min).

Fastening: flush installation.

Fitting: Ø 22 mm. 2 holes Ø 6.4 mm, hole spacing 38 mm.

Switch positions: 0 Off, 1 Preheating, switch lever must be held in preheating position, returns automatically to position 0 (Off).

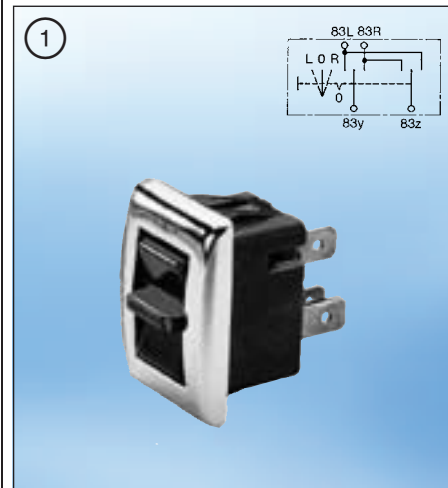
Connection: terminal stud (for cables with cable lug).

0 343 405 001

Note:

If this glow-plug switch is used, a special ignition switch, or headlamp-ignition switch, or ignition and starting switch is necessary, see Pages A 98...A 101.

Motor and equipment switches



① Rocker switch Reversing changeover switch

12 V

With reset, for power-windows, sunroofs etc.

With chrome-plated cover, black switch handle.

Dual changeover switch

72 W/12 V (30 A for on-time 5 sec).

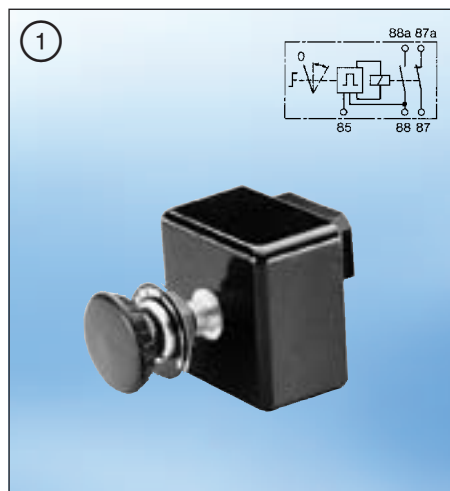
Fastening: with clamping spring, with or without mounting frame.

Connection: blade terminals.

0 343 302 003

Wiper switches

Up to 24 V



1 Rotary switch, wiper pulse generator, soft rubber knob, black

For self-parking wiper motors. For intermittent wiping. Continuously adjustable from 2 to 25 pulses/min.

Pulse length approx. 0.4 s independent of load.

Fastening: with round nut M 10 x 1.

Fitting: Ø 10.5 mm. For wall thicknesses up to 9 mm.

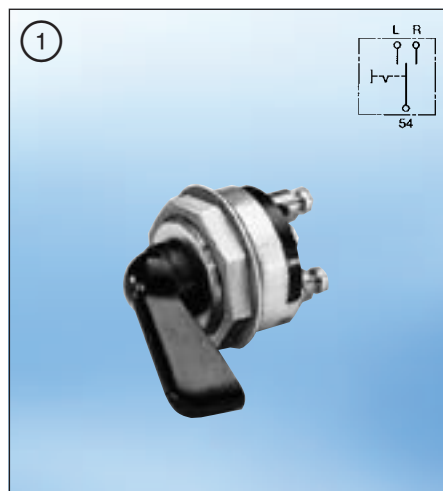
Connection: blade terminals.

6 V/12 V **0 336 920 004**

24 V ¹⁾ **0 336 920 003**

¹⁾ Use a relay for wiper motors with more than 3.2 A current consumption.

Turn-signal switches



1 Rotary, single-circuit switch without indicator lamp

Housing black, switch lever black.

Switching capacity: 45 W/12 V (term. L, R)

Fastening: with polished aluminum octagon nut M 26 x 1.

Fitting: Ø 26.5 mm with cutout (twist-proof). For wall thicknesses up to 2 mm.

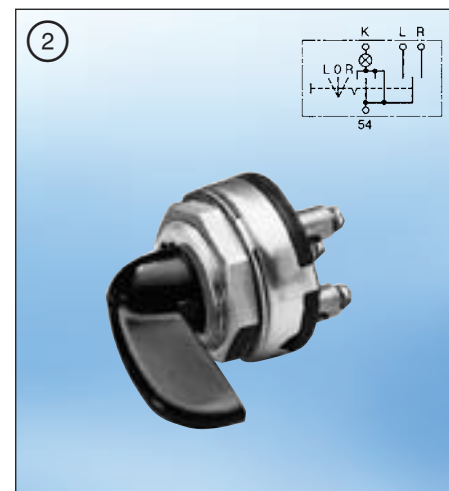
Connection: screw terminals.

0 341 101 001

Spare parts

Octagon nut **1 343 300 002**

Washer **3 340 102 000**



2 Rotary, single-circuit switch with indicator lamp

Without bulb, housing galvanized, switch lever black, lens red.

Switching capacity: 60 W/12 V (terminals L, R), 5 W/12 V (terminal K).

Fastening: with polished aluminum octagon nut M 26 x 1.

Fitting: Ø 26.5 mm with cutout (twist-proof). For wall thicknesses up to 2 mm.

Connection: screw terminals.

0 341 300 002

Spare parts

Octagon nut **1 343 300 002**

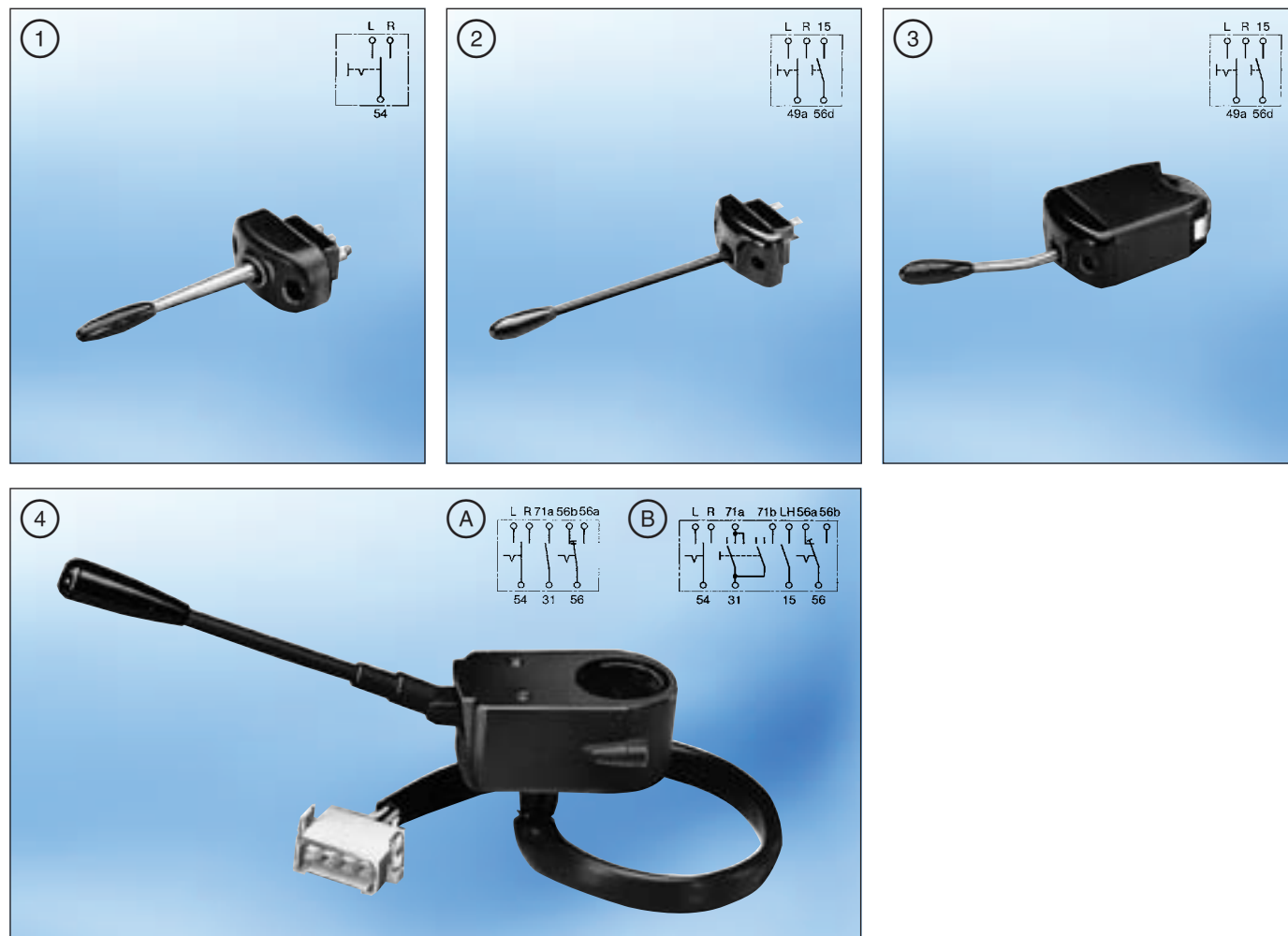
Washer **3 340 102 000**

Bulb (shape H)

12 V 2,0 W **1 987 302 212**

24 V 2,0 W **1 987 302 508**

Turn-signal and combi-switches



1 Lever-type turn-signal switch without headlamp-flasher contact

For mounting in steering column. Knob and housing black. Switch lever galvanized with transparent chromated finish. Switch lever 82 mm long. Switching capacity: 60 W/24 V (term. L, R). Fastening: 2 holes Ø 4.2 mm. Hole spacing 42 mm. Fitting: aperture 32 x 21 mm. Connection: screw terminals.

0 341 600 001

2 Lever-type turn-signal switch with headlamp-flasher contact

For mounting in steering column. Housing, handle and switch lever black. Switch lever straight. Length 148 mm. Switching capacity: 80 W/24 V (term. L, R), 100 W/24 V (terminal 56 d). Fastening: on steering column with clamping band. Clamping range Ø 45 to Ø 55 mm. Without fastening parts. Connection: blade terminals.

0 341 810 005

as ..810 005, but switch lever angled 5°, length 109 mm.

0 341 810 013

3 Lever-type turn-signal switch with headlamp-flasher contact

Housing and handle black, switch lever angled at 15°, bright-galvanized and transparent chromated finish. Switch lever 148 mm long. Switching capacity: 80 W/24 V (term. L, R) 100 W/24 V (terminal 56d). Fastening: on steering column with clamping band. Clamping range Ø 45 to Ø 55 mm. With fastening parts (enclosed loose). Connection: blade terminals.

0 341 810 006

4 Lever-type combi-switch

Diagram ④:

For turn-signal indicators, change-over switch for high and low beam, with horn button. Housing and handle black. With switch lever angled at 11°. Length 220 mm. Switching capacity: 110 W/24 V (terminals L, R, 56a, 56b, LH), 60 W/24 V (terminal 71a), 85 W/24 V (terminal 71b). Fastening: with clamping ring Ø 45 mm. Connection: 8-pole flat-pin plug. Cables 400 mm.

0 341 810 007

as ..810 007, but switch lever angled at 20°. Length 180 mm

0 341 810 008

as ..810 007, but cables 430 mm long and switch lever angled 20°. Length 239 mm.

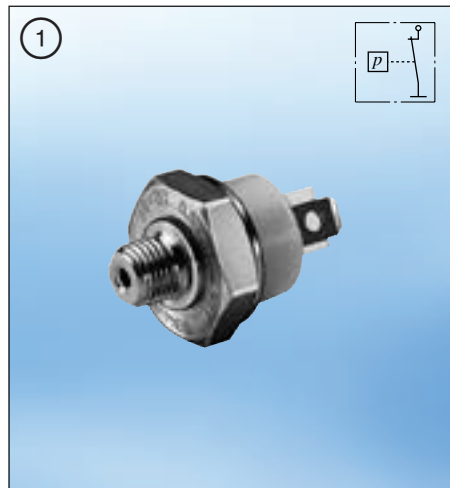
0 341 810 009

as ..810 007, but diagram ④: Horn button with 2 switch positions for supertone horn. With headlamp flasher. Switch lever angled at 20°. Length 180 mm Connection: one 8-pole plug, one 3-pole plug.

0 341 810 010

Multi-purpose pressure switches

Pneumatically and hydraulically actuated



① Pressure switch. NO contact On-off switch, two-chamber system.

For use in vehicle as check switch. Hydraulically or pneumatically actuated. Switching capacity: 2 W/24 V (lamp load). Permissible pressure agents: mineral oil, air (details of other agents upon request). Permissible operating temperature: -40...+130 °C.

Fastening: screw-in thread M 12 x 1.5.

Connection: blade terminals.

Switching range (gauge press.): 1.8...2.3 bar

Permissible operating pressure (gauge pressure):

6 bar. Permissible max. pressure

(gauge pressure): 10 bar.

1-pole **0 986 345 202**

as ..202, but

Switching capacity: 5 W/24 V (lamp load).

Permissible operating temperature: -25...+85 °C

Fastening: screw-in thread M 10 x 1.

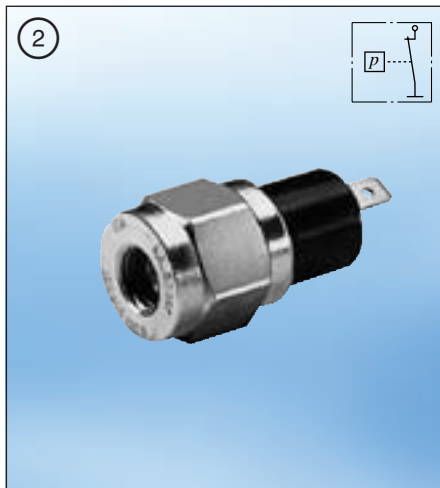
Switching range (gauge press.): 0.1...0.5 bar

Permissible operating pressure (gauge pressure):

8 bar. Permissible max. pressure

(gauge pressure): 15 bar

1-pole **0 986 345 203**



② Pressure switch. NC contact

On-off switch, two-chamber system. For use in vehicle as check switch.

Pneumatically actuated.

Switching capacity: 5 W/24 V (lamp load).

Permissible operating temperature:

-40...+100 °C.

Fastening: screw-in thread M 12 x 1.5.

Connection: blade terminals.

Switching range (gauge press.):

4.4...5.1 bar

Permissible operating pressure (gauge pressure):

8 bar.

Proof against excess pressure up to 12 bar

1-pole **0 986 345 501**

as ..501, but

Switching range (gauge press.):

5.6...6.6 bar

Permissible operating pressure (gauge pressure):

12 bar.

Proof against excess pressure up to 15 bar.

1-pole **0 986 345 503**

as ..501, but

Switching range (gauge press.):

9.6...10.8 bar.

Permissible operating pressure (gauge pressure):

18 bar.

Proof against excess pressure up to 18 bar.

1-pole **0 986 345 502**

Accessories (order separately)

for pressure switches 0 986 345 501, ..502, ..503.



③ Protective cap

For multi-purpose pressure switches with blade terminals.

Protects electrical connections against moisture.

Material: black neoprene.

Fastening: self-clamping.

3 340 524 012

Universal pressure switch

with DIN bayonet connector



1 Mechanical pressure switch with bayonet connector

Operating forces:
 – at switch point ~ 16 N
 – at final position ~ 32 N
 (other values upon request)
 Operating temperature: –30°C +130°C
 Operating voltage: 5V – 32 V
 Switching current: max. 5A
 Switching capacity: max. 135 W
 Endurance test: up to 1.500.000 cycles
 Switch type: Normally open contact or
 Normally closed contact
 Electrical connection: acc. to ISO 15170
 (DIN 72585)
 Hexagon: 27
 Connecting thread: M16x1,5 / M18x1,5
 (other connecting threads upon request)
 Material characteristics:
 – Housing: Brass / zinc-plated steel (CrVI-free) /
 stainless steel
 – Socket: PA66-GF30
 – Plunger: Zinc-plated steel (CrVI-free) /
 stainless steel; hardened
 – Electrical contacts: Silver
 (other contacts upon request)
 Tightening Torque: max. 50 Nm
 Degree of protection: up to IP6K9K with suitable
 connector installed
 2-pole **0 986 346 800**

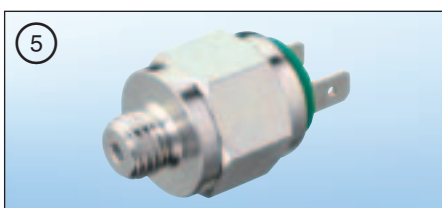
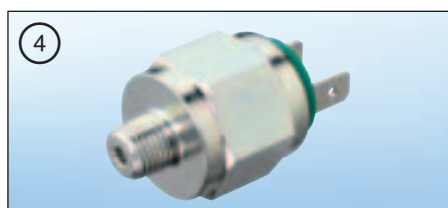
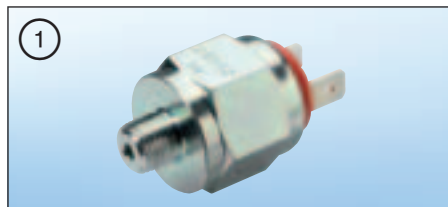
2 Pressure switch with bayonet connector

Set pressure: Adjustment range from 0,15 bar
 to 10 bar
 Hysteresis: average value 10% depending on type,
 not adjustable
 Working pressure: max. 12 bar
 Overpressure safety: 16 bar
 Bursting pressure: > 50 bar
 Medium: Air
 Operating temperature: –40°C +100°C
 Operating voltage: 12 / 24 V DC
 Switching capacity: max. 30 W
 (at ohmic load)
 Endurance test: 1.000.000 cycles
 Switch type: Normally open contact or
 Normally closed contact
 Electrical connection: acc. to ISO 15170
 (DIN 72585)
 Hexagon: 24 or 27
 Connecting thread: M10x1 / M10x1 con. /
 M12x1,5 / M16x1,5
 (other connecting threads upon request)
 Material characteristics:
 – Housing: Brass / zinc-plated steel (CrVI-free) /
 stainless steel
 – Socket: PA66-GF30
 – Electrical contacts: Silver
 (other contacts upon request)
 Degree of protection: up to IP6K9K with suitable
 connector installed
 2-pole **0 986 346 700**

[illegible]

Pressure switch up to 24 V/15 A

for engine coolings fans
(-40°C...+140°C)



Type of actuation	Fastening screw-in thread	Operating pressure range/ Temperature range bar / °C	Connection 2-pole	Fig.	Part number
Pressure switch NC contact	M12 x 1.5	2.0 ± 0.2 bar	Blade terminal 6.3 mm		0 986 346 001
	M12 x 1.5	4.0 ± 0.4 bar	Bimetal rivets		0 986 346 002
	M12 x 1.5	0.15 ± 0.1 bar	AGNi 20a/E-Cu, DIN 46 244		0 986 346 003
	M12 x 1.5	0.5 ± 0.15 bar			0 986 346 004
	M12 x 1.5	6.0 ± 0.6 bar			0 986 346 005
	M12 x 1.5	2.5 ± 0.3 bar		2	0 986 346 006
	M12 x 1.5	1.0 ± 0.2 bar			0 986 346 007
	M12 x 1.5	4.5 ± 0.5 bar			0 986 346 008
	M12 x 1.5	5.0 ± 0.5 bar			0 986 346 009
	M12 x 1.5	0.8 ± 0.15 bar			0 986 346 010
	M12 x 1.5	3.0 ± 0.3 bar			0 986 346 011
	M12 x 1.5	5.5 ± 0.6 bar			0 986 346 012
	M12 x 1.5 (internal thread)	0.15 ± 0.1 bar		3	0 986 346 021
	M12 x 1.5 (internal thread)	0.5 ± 0.15 bar			0 986 346 022
	M12 x 1.5 (internal thread)	4.0 ± 0.4 bar			0 986 346 023
	M10 x 1 (tapered short)	2.0 ± 0.2 bar		1	0 986 346 032
	M10 x 1 (tapered short)	3.0 ± 0.3 bar			0 986 346 033
	M10 x 1 (tapered short)	4.0 ± 0.4 bar			0 986 346 034
Pressure switch NO contact	M12 x 1.5	5.5 ± 0.6 bar	Blade terminal 6.3 mm	5	0 986 346 051
	M12 x 1.5	2.0 ± 0.2 bar	Bimetal rivets		0 986 346 052
	M12 x 1.5	0.3 ± 0.1 bar	AGNi 20a/E-Cu, DIN 46 244		0 986 346 053
	M12 x 1.5	3.5 ± 0.4 bar			0 986 346 054
	M12 x 1.5	4.1 ± 0.4 bar			0 986 346 055
	M12 x 1.5	4.5 ± 0.5 bar			0 986 346 056
	M12 x 1.5	5.0 ± 0.5 bar			0 986 346 057
	M12 x 1.5	1.2 ± 0.2 bar			0 986 346 058
	M12 x 1.5	6.0 ± 0.6 bar			0 986 346 059
	M12 x 1.5	5.2 ± 0.5 bar			0 986 346 060
	M12 x 1.5	5.7 ± 0.6 bar			0 986 346 061
	M12 x 1.5	6.6 ± 0.6 bar			0 986 346 062
	M12 x 1.5 (internal thread)	4.5 ± 0.5 bar		6	0 986 346 071
	M12 x 1.5 (internal thread)	5.5 ± 0.6 bar			0 986 346 072
	M12 x 1.5 (internal thread)	5.7 ± 0.6 bar			0 986 346 073
	M10 x 1 (tapered short)	4.2 ± 0.4 bar		4	0 986 346 081
	M10 x 1 (tapered short)	2.0 ± 0.2 bar			0 986 346 082

Temperature switch up to 24 V/15 A

for engine coolings fans
(-40 °C...+140 °C)



Type of actuation	Fastening screw-in thread	Temperature range bar / °C	Connection 2-pole	Fig.	Part number
Temperature switch	M22x1,5-6g	92°C–87°C	Blade terminal 6.3 mm	7	0 986 347 005
	M22x1,5-6g	88°C–79°C	Bimetal rivets		0 986 347 003
	M22x1,5-6g	95°C–86°C	AGNi20a/E-Cu,		0 986 347 004
	M22x1,5-6g	82°C–68°C	DIN 46244		0 986 347 002

Oil-pressure warning switches

Hydraulically actuated
Up to 24 V



For European vehicles
Two-chamber system



Fastening screw-in thread	Operating pressure range Gauge pressure bar	Connection 1-pole	Fig.	Part number	Vehicle makes ¹⁾
M 10 x 1	0.15–0.45	Blade terminals	1	0 986 344 082 ^{2) 3)}	Audi, Volvo, VW
	0.3–0.5	Blade terminals	1	0 986 344 085 ²⁾	Cesab, Itma Trattori, VM, VW
	0.5–0.8	Blade terminals	1	0 986 344 090 ³⁾	Fendt
M 10 x 1 (tapered short) DIN 158	0.05–0.15	Blade terminals	1	0 986 344 055	BMW
	0.15–0.45	Blade terminals	1	0 986 344 044 ^{2) 3)}	Alfa Romeo, Audi, Porsche, VW
	0.2–0.49	Blade terminals	2	0 986 344 032	Audi, Massey-Ferguson-Hanomag
	0.2–0.5	Blade terminals	1	0 986 344 058 ^{2) 3)}	ABG, Atlas, Hanomag, Massey-Ferguson, Steyr
	0.5–0.8	Screw terminals M 4	4	0 986 344 084	MAN
	0.3–0.6	Screw terminals M 4	4	0 986 344 051	Audi, Magirus-Deutz, MAN, Porsche, Saviem
		Blade terminals	1	0 986 344 056 ^{2) 3)}	Audi, Porsche, VW
	0.5–0.8	Screw terminals M 4	4	0 986 344 052	–
		Blade terminals	1	0 986 344 033 ³⁾	Hanomag-Henschel, MAN, Schilter, Volvo
	0.8–1.2	Screw terminals M 4	4	0 986 344 053	Reformwerke Bauer, Steyr, Volvo
		Blade terminals	1	0 986 344 041 ^{2) 3)}	IF, Itma Trattori, Lamborghini, Mosa, Muzzi, Palmieri, Steyr, VM
M 12 x 1,5	0.2–0.5	Blade terminals	1	0 986 344 040 ^{2) 3)}	BMW, FIAT, Lamborghini, UNIC
	0.3–0.55	Screw terminals	3	0 986 344 089	Mercedes-Benz
	0.05–0.15	Blade terminals	1	0 986 344 035	BMW
M 12 x 1,75	1.2–1.7	Blade terminals	1	0 986 344 077 ^{2) 3)}	Huerlimann, Lamborghini, Same, VM
M 14 x 1,5	0.15–0.45	Blade terminals	1	0 986 344 046 ^{2) 3)}	Alfa Romeo
	0.3–0.55	Screw terminals M 4	4	0 986 344 080 ²⁾	Mercedes-Benz
		Blade terminals	1	0 986 344 036 ³⁾	Opel, Peugeot, Renault, Vauxhall, Volvo
¼"-18 NPTF	0.2–0.6	Threaded pins ⁴⁾	5	0 986 344 086 ³⁾	Ford, SAAB
⅜"-27 PTF-	0.3–0.6	Blade terminals	1	0 986 344 076 ^{2) 3)}	DAF, Ford, Case IH, IH
	0.15–0.45	Blade terminals	1	0 986 344 087	Ford, John Deere
SAE short	0.5–0.8	Blade terminals	1	0 986 344 054 ^{2) 3)}	DAF, Ford, John Deere, SAAB
⅜"-27 NPTF	0.4–0.7	Blade terminals	1	0 986 344 074 ^{2) 3)}	Volvo

Technical data for European and Japanese oil-pressure warning switches

On-off switch, NC contact. Steel housing, for European vehicles galvanized and yellow chromated.
Switching capacity (lamp load): 5 W to 24 V.
Permissible operating temperature: –40 °C ... +140 °C.

Permitted operating pressure (gauge pressure): 6 bar.
Maximum pressure (gauge pressure): 10 bar.
Degree of protection according to DIN 40050 (Page 9): IP 66 if suitable protective cap is used, i.e.: complete protection against contact, protection against penetration by dirt and dust and penetration by water during temporary submersion.

¹⁾ See application recommendation for vehicle models.

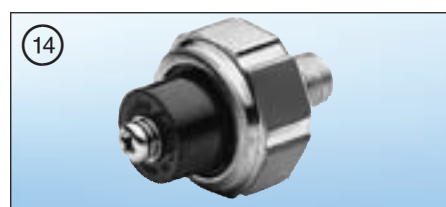
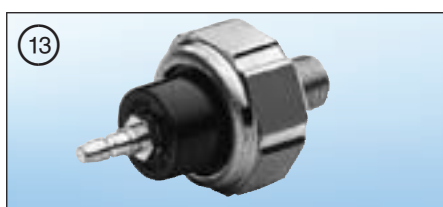
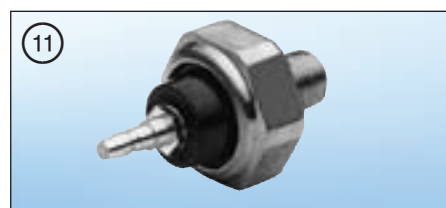
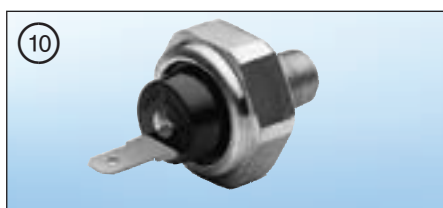
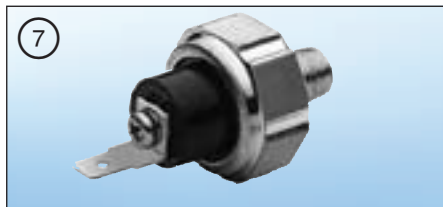
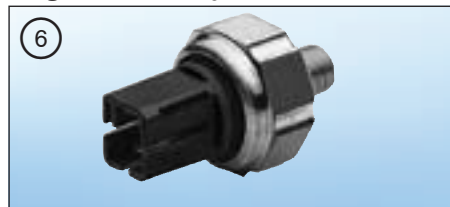
²⁾ Interior parts with special corrosion protection.

³⁾ Accessories: protective cap **3 340 522 025** see next page.

⁴⁾ Threaded pin 8-32 UNC-2 A.



For Japanese vehicles Single-chamber system



Fastening screw-in thread	Operating pressure range Gauge pressure bar	Connection 1-pole	Fig.	Part number	Vehicle makes ¹⁾
R 1/8"-28 BSP (tapered)	0.16–0.18	Blade terminals	6	0 986 345 007	Nissan
	0.25–0.35	Blade terminals	7	0 986 345 001	Daihatsu, Suzuki, Toyota
				0 986 345 017	Mitsubishi, Suzuki
		Plate terminals	8	0 986 345 000	Toyota
				0 986 345 012	Mazda
	0.28–0.38	Plate terminals	9	0 986 345 005	Daihatsu, Mazda
	0.28–0.34	Blade terminals	10	0 986 345 008	Daihatsu, Subaru, Suzuki
	0.30–0.32	Pin terminals	11	0 986 345 009	Honda
	0.30–0.38	Screw	12	0 986 345 006	Honda, Mazda, Subaru
	0.30–0.40	Pin terminals	13	0 986 345 003	Nissan
	0.35–0.45	Screw terminals	14	0 986 345 004	Mazda

¹⁾ See application recommendations for vehicle models.



Accessories (order separately)

Protective cap

For oil-pressure warning switches with blade terminals. Protects electrical connections against moisture.

Material: black neoprene.

Fastening: self-clamping.

3 340 522 025



Important installation note

Before installing the new oil-pressure warning switch, check that the pressure range (can be read off on housing) and thread of the replacement switch match those of the original switch.

Stop lamp switches

Pneumatically or hydraulically actuated



Type of actuation	Fastening screw-in thread	Operating pressure range Gauge pressure bar	Connection 2-pole	Fig.	Part number
Pneumatic	M 12 x 1,5	0.1–0.3	Pin terminals	1	0 986 345 413 ¹⁾
		0.1–0.5	Blade terminals	2	0 986 345 408
			Blade terminals 6,3 mm	2	0 986 345 409
			Pin terminals	1	0 986 345 410
		0.75–1.0	Pin terminals	1	0 986 345 414 ¹⁾
		1.0–1.4	Pin terminals	1	0 986 345 411 ¹⁾
Hydraulic	M 10 x 1 (tapered short) DIN 158	2–4	Blade terminals	3	0 986 345 112
			Blade terminals	3	0 986 345 114 ²⁾
		2–5	Pin terminals	4	0 986 345 115 ¹⁾
			Blade terminals	3	0 986 345 116 ²⁾
		3–6	Blade terminals	3	0 986 345 110
			Blade terminals	3	0 986 345 113 ²⁾
			Pin terminals	4	0 986 345 117 ¹⁾
	1/8" x 27 NPTF SAE-short	2–4	Blade terminals	3	0 986 345 119
		2–5	Blade terminals	3	0 986 345 120
		3–6	Blade terminals	3	0 986 345 111
			Blade terminals	3	0 986 345 111
Oil-pressure switches	M 12 x 1,5	0.1–0.5	Blade terminals 6,3 mm	2	0 986 346 409
		0.75–1.0	Pin terminals	1	0 986 346 414 ¹⁾
	M 10 x 1 (tapered short) DIN 158	3–6	Blade terminals	3	0 986 346 110
		2–4	Blade terminals	3	0 986 346 112
		2–5	Pin terminals	4	0 986 346 115
	1/8" x 27 NPTF SAE-short	3–6	Blade terminals	3	0 986 346 111
		2–4	Blade terminals	3	0 986 346 119
			Blade terminals	3	0 986 346 119

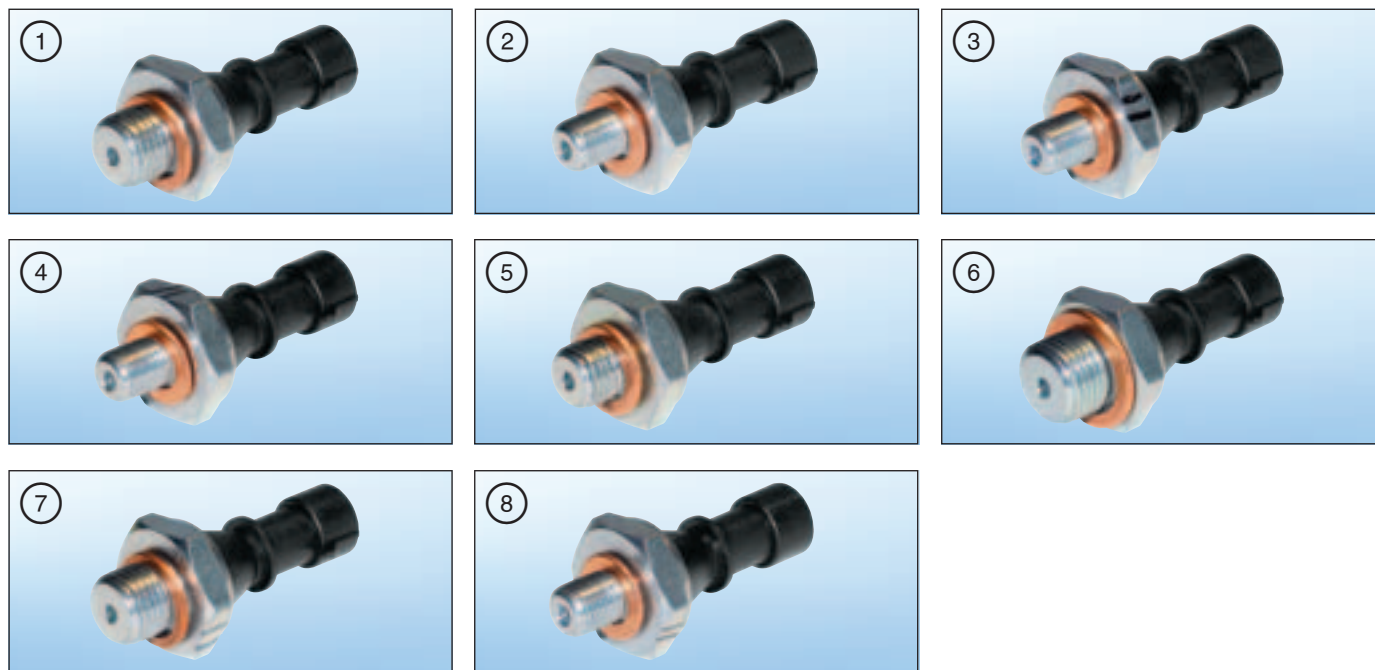
Technical data

Pneumatic pressures: Permissible operating pressure (gauge pressure) 8 bar.
Max. permissible pressure (gauge pressure) 12 bar. Overload capacity 15 bar (max. 2 s).
Permissible operating temperature: –40...+100 °C.
Hydraulic pressures (pressure medium: brake fluid).

Permissible operating pressure (gauge pressure) 200 bar.
Max. permissible pressure (gauge pressure) 350 bar.
Permissible operating temperature: –40...+80 °C.
On-off switch, NO contact, two-chamber system.
Galvanized steel housing with yellow chromated finish.
Electrical connections silver-plated.
Switching capacity (lamp load): 150 W/12 V or 100 W/24 V.

¹⁾ With thread M 27 x 1 (on plug side) for splashwater protection.

²⁾ With two blade-terminal connections supplied loose.



Type of actuation	Fastening screw-in thread	Operating pressure range Gauge pressure bar	Connection 1-pole	Fig.	Part number
Oil-pressure switches/NC contact	M 14 x 1,5	0,30–0,55	Blade terminals as per ISO 8092-3 1,5 x 0,8 Brass, silver-plated	1	0 986 346 370
	M 10 x 1,0	0,30–0,55		2	0 986 346 371
	M 10 x 1,0	0,20–0,40		3	0 986 346 372
	M 10 x 1,0	0,10–0,30		4	0 986 346 373
	M 12 x 1,5	0,20–0,40		5	0 986 346 374
	M 16 x 1,5	0,45–0,75		6	0 986 346 375
	M 14 x 1,5	0,45–0,75		7	0 986 346 376
	M 10 x 1,0	1,80–2,20		8	0 986 346 377

O.E.	Bosch
ALFA ROMEO	
60808371	0 986 346 370
6ZL 003 259-491	0 986 346 370
6ZL 008 780-011	0 986 346 371

DAEWOO	
90336039	0 986 346 370
96281689	0 986 346 370
96494264	0 986 346 370
96647339	0 986 346 370

FIAT	
7606596	0 986 346 370
7705830	0 986 346 370
7706596	0 986 346 370
7708168	0 986 346 370
55354325	0 986 346 371
7710823	0 986 346 374
7710824	0 986 346 374
504026706	0 986 346 376
98442879	0 986 346 376

G.M.	
90336039	0 986 346 370
90507539	0 986 346 370
90534902	0 986 346 371

O.E.	Bosch
93190643	0 986 346 371
24 461 314	0 986 346 372
97 375 663	0 986 346 373
90337836	0 986 346 375
24 461 315	0 986 346 377

HOLDEN	
90336039	0 986 346 370
90507539	0 986 346 370

HYUNDAI	
V40-73-0001	0 986 346 370
V40-73-0006	0 986 346 371
V V40-73-0014	0 986 346 372
V40-73-0005	0 986 346 375

ISUZU	
8-97375-663-0	0 986 346 373
8-90336-039-0	0 986 346 375

IVECO	
J5610900	0 986 346 370
98442879	0 986 346 376

MAZDA	
70541060	0 986 346 370

O.E.	Bosch
70541077	0 986 346 371

OPEL	
12 52 557	0 986 346 370
12 52 562	0 986 346 370
12 52 570	0 986 346 370
12 52 572	0 986 346 370
12 52 578	0 986 346 370
48 03 551	0 986 346 370
45 04 585	0 986 346 370
12 38 696	0 986 346 371
12 52 555	0 986 346 371
12 52 573	0 986 346 371
62 40 261	0 986 346 372
12 52 577	0 986 346 373
12 52 566	0 986 346 375
62 40 262	0 986 346 377

SAAB	
45 04 585	0 986 346 370
90 569 684	0 986 346 370
95 44 610	0 986 346 370
47 70 186	0 986 346 376

VAUXHALL	
93190643	0 986 346 371

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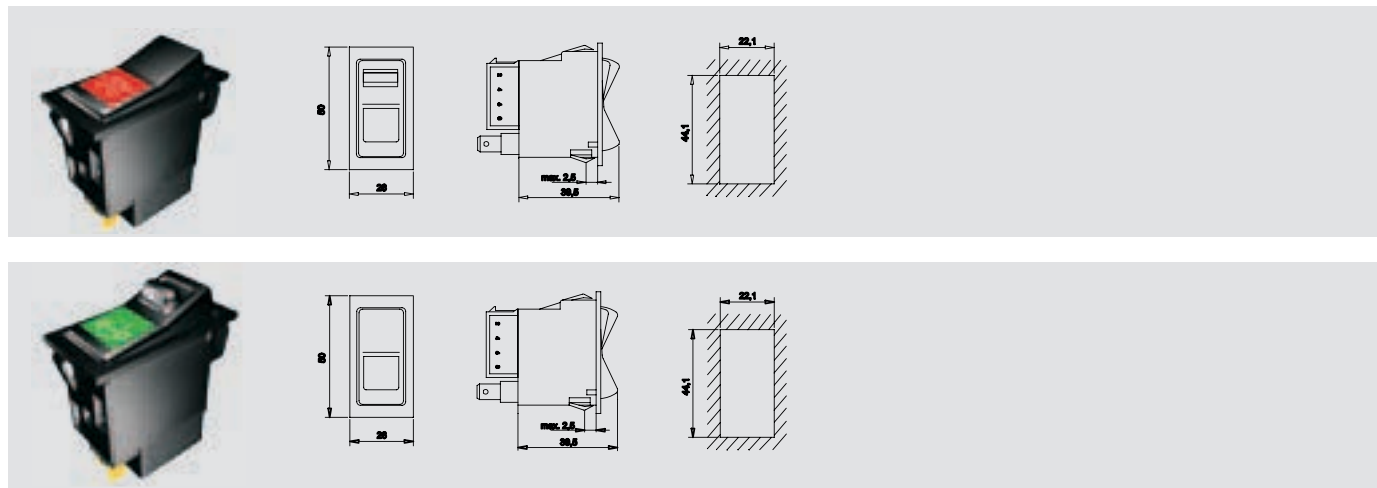
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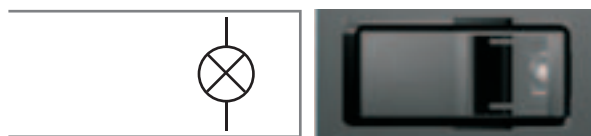
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Flush-mounted and indicator switches

Product range „Classic design“ Type 1



Symbol illumination options



Version A

Applications: Non-illuminated switches or switches with direct illumination by lighting element.



Version B

Applications: Illuminated switches (light shines through plastic diaphragm, diffuse light).



Version C

Applications: Illuminated switches. When not switched on, the switch is only dimly lit (diffuse light: position of switch can be seen). It is more brightly lit when switched on (switch set to ON: bright light).

Key to circuit diagram symbols



Switch (On/Off)

This switch can be set to different positions.



Rocker switch

This switch returns to its original position after being actuated.



Double locking

Status is retained until switch is actuated again.



Single locking

Switch engages.



Non-locking switch

Switch function in the form of a button.



Non-locking switch

Switch function in the form of a button on both sides.

Illustration	Circuit diagram	Light	Volts	Lock		Part number
				On	Off	
		–	12/24	○	○	0986 348 000
		A	12	○	○	0986 348 001
		A	24	○	○	0986 348 002
		B	12	○	○	0986 348 003
		B	24	○	○	0986 348 004
		C	12	○	○	0986 348 005
		C	24	○	○	0986 348 006
		–	12/24	○	○	0986 348 007
		A	12	○	○	0986 348 008
		A	24	○	○	0986 348 009
		B	12	○	○	0986 348 010
		B	24	○	○	0986 348 011
		–	12/24	●	○	0986 348 155
		A	12	●	○	0986 348 156
		A	24	●	○	0986 348 157
		B	12	●	○	0986 348 158
		B	24	●	○	0986 348 159
		C	12	●	○	0986 348 160
		C	24	●	○	0986 348 161
		–	12/24	●	○	0986 348 148
		A	12	●	○	0986 348 149
		A	24	●	○	0986 348 150
		B	12	●	○	0986 348 151
		B	24	●	○	0986 348 152
		C	12	●	○	0986 348 153
		C	24	●	○	0986 348 154
		–	12/24	●	●	0986 348 162
		A	12	●	●	0986 348 163
		A	24	●	●	0986 348 164
		B	12	●	●	0986 348 165
		B	24	●	●	0986 348 166
		C	12	●	●	0986 348 167
		C	24	●	●	0986 348 168
		–	12/24	○	○	0986 348 012
		A	12	○	○	0986 348 013
		A	24	○	○	0986 348 014
		B	12	○	○	0986 348 015
		B	24	○	○	0986 348 016
		C	12	○	○	0986 348 017
		C	24	○	○	0986 348 018
		–	12/24	○	○	0986 348 126
		A	12	○	○	0986 348 127
		A	24	○	○	0986 348 128
		B	12	○	○	0986 348 129
		B	24	○	○	0986 348 130
		–	12/24	○	○	0986 348 019
		A	12	○	○	0986 348 020
		A	24	○	○	0986 348 021
		B	12	○	○	0986 348 022
		B	24	○	○	0986 348 023
		C	12	○	○	0986 348 024
		C	24	○	○	0986 348 025
		–	12/24	○	○	0986 348 109
		A	12	○	○	0986 348 110
		A	24	○	○	0986 348 111
		B	12	○	○	0986 348 112
		B	24	○	○	0986 348 113
		C	12	○	○	0986 348 114
		C	24	○	○	0986 348 115
		–	12/24	○	○	0986 348 182
		A	12	○	○	0986 348 183
		A	24	○	○	0986 348 184
		B	12	○	○	0986 348 185
		B	24	○	○	0986 348 186

Illustration	Circuit diagram	Light	Volts	Lock		Part number
				On	Off	
		–	12/24	●	○	0986 348 204
		A	12	●	○	0986 348 205
		A	24	●	○	0986 348 206
		B	12	●	○	0986 348 207
		B	24	●	○	0986 348 208
		C	12	●	○	0986 348 209
		C	24	●	○	0986 348 210
		–	12/24	●	●	0986 348 169
		A	12	●	●	0986 348 170
		A	24	●	●	0986 348 171
		B	12	●	●	0986 348 172
		B	24	●	●	0986 348 173
		C	12	●	●	0986 348 174
		C	24	●	●	0986 348 175
		–	12/24	○	○	0986 348 033
		A	12	○	○	0986 348 034
		A	24	○	○	0986 348 035
		B	12	○	○	0986 348 036
		B	24	○	○	0986 348 037
		C	12	○	○	0986 348 038
		C	24	○	○	0986 348 039
		–	12/24	○	○	0986 348 040
		A	12	○	○	0986 348 041
		A	24	○	○	0986 348 042
		B	12	○	○	0986 348 043
		B	24	○	○	0986 348 044
		–	12/24	○	○	0986 348 235
		A	12	○	○	0986 348 236
		A	24	○	○	0986 348 237
		B	12	○	○	0986 348 238
		B	24	○	○	0986 348 239
		C	12	○	○	0986 348 240
		C	24	○	○	0986 348 241
		–	12/24	○	○	0986 348 243
		A	12	○	○	0986 348 244
		A	24	○	○	0986 348 245
		B	12	○	○	0986 348 246
		B	24	○	○	0986 348 247
		–	12/24	○	○	0986 348 026
		A	12	○	○	0986 348 027
		A	24	○	○	0986 348 028
		B	12	○	○	0986 348 029
		B	24	○	○	0986 348 030
		C	12	○	○	0986 348 031
		C	24	○	○	0986 348 032
		–	12/24	●	○	0986 348 187
		A	12	●	○	0986 348 188
		A	24	●	○	0986 348 189
		B	12	●	○	0986 348 190
		B	24	●	○	0986 348 191
		C	12	●	○	0986 348 192
		C	24	●	○	0986 348 193
		–	12/24	○	○	0986 348 099
		A	12	○	○	0986 348 100
		A	24	○	○	0986 348 101
		B	12	○	○	0986 348 102
		B	24	○	○	0986 348 103
		–	12/24	○	○	0986 348 087
		A	12	○	○	0986 348 088
		A	24	○	○	0986 348 089
		B	12	○	○	0986 348 090
		B	24	○	○	0986 348 091
		C	12	○	○	0986 348 092
		C	24	○	○	0986 348 093

Note: With elastic spring I-II for single-speed wipers and washer system

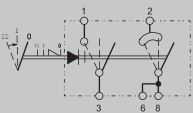
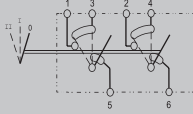
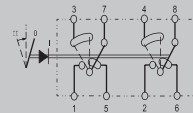
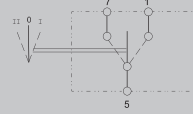
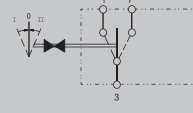
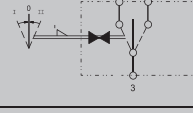
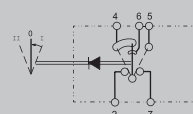
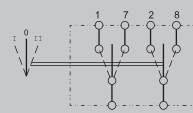
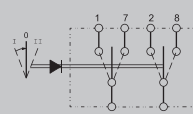
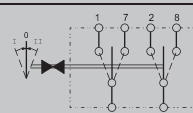
Illustration	Circuit diagram	Light	Volts	Lock		Part number
				On	Off	
 Note: With elastic spring I-II		–	12/24	●	○	0986 348 228
		A	12	●	○	0986 348 229
		A	24	●	○	0986 348 230
		B	12	●	○	0986 348 231
		B	24	●	○	0986 348 232
		C	12	●	○	0986 348 233
		C	24	●	○	0986 348 234
 Note: With elastic spring I-II		–	12/24	●	●	0986 348 131
		A	12	●	●	0986 348 132
		A	24	●	●	0986 348 133
		B	12	●	●	0986 348 134
		B	24	●	●	0986 348 135
		C	12	●	●	0986 348 136
		C	24	●	●	0986 348 137
 Note: With elastic spring I-II		–	12/24	○	○	0986 348 211
		A	12	○	○	0986 348 212
		A	24	○	○	0986 348 213
		B	12	○	○	0986 348 214
		B	24	○	○	0986 348 215
		C	12	○	○	0986 348 216
		C	24	○	○	0986 348 217
 Note: With elastic spring I-II		–	12/24	○	○	0986 348 138
		A	12	○	○	0986 348 139
		A	24	○	○	0986 348 140
		B	12	○	○	0986 348 141
		B	24	○	○	0986 348 142
 Note: With elastic spring I-II		–	12/24	○	○	0986 348 065
		A	12	○	○	0986 348 066
		A	24	○	○	0986 348 067
		B	12	○	○	0986 348 068
		B	24	○	○	0986 348 069
 Note: With elastic spring I-II		–	12/24	○	○	0986 348 248
		A	12	○	○	0986 348 249
		A	24	○	○	0986 348 250
		B	12	○	○	0986 348 251
		B	24	○	○	0986 348 252
 Note: With elastic spring I-II		–	12/24	○	○	0986 348 143
		A	12	○	○	0986 348 144
		A	24	○	○	0986 348 145
		B	12	○	○	0986 348 146
		B	24	○	○	0986 348 147
 Note: With elastic spring I-II		–	12/24	○	○	0986 348 050
		A	12	○	○	0986 348 051
		A	24	○	○	0986 348 052
		B	12	○	○	0986 348 053
		B	24	○	○	0986 348 054
 Note: With elastic spring I-II		–	12/24	○	○	0986 348 060
		A	12	○	○	0986 348 061
		A	24	○	○	0986 348 062
		B	12	○	○	0986 348 063
		B	24	○	○	0986 348 064
 Note: With elastic spring I-II		–	12/24	○	○	0986 348 055
		A	12	○	○	0986 348 056
		A	24	○	○	0986 348 057
		B	12	○	○	0986 348 058
		B	24	○	○	0986 348 059

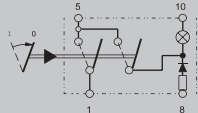
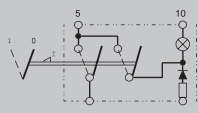
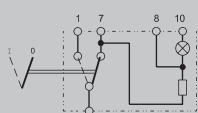
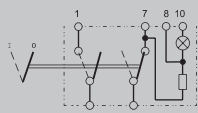
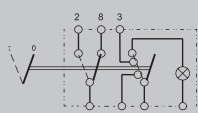
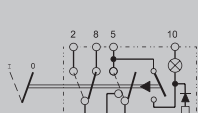
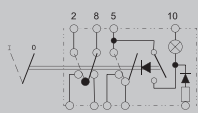
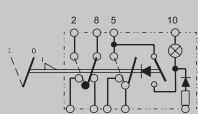


Illustration	Circuit diagram	Light	Volts	Lock		Part number
				On	Off	
		–	12/24	☐	☐	0986 348 070
		A	12	☐	☐	0986 348 071
		A	24	☐	☐	0986 348 072
		B	12	☐	☐	0986 348 073
		B	24	☐	☐	0986 348 074
		–	12/24	☐	☐	0986 348 194
		A	12	☐	☐	0986 348 195
		A	24	☐	☐	0986 348 196
		B	12	☐	☐	0986 348 197
		B	24	☐	☐	0986 348 198
		–	12/24	☐	☐	0986 348 199
		C	12	☐	☐	0986 348 200
		C	24	☐	☐	0986 348 219
		A	12	☐	☐	0986 348 220
		A	24	☐	☐	0986 348 221
		B	12	☐	☐	0986 348 222
		B	24	☐	☐	0986 348 223
		C	12	☐	☐	0986 348 224
		C	24	☐	☐	0986 348 225
		–	12/24	☐	☐	0986 348 045
		A	12	☐	☐	0986 348 046
		A	24	☐	☐	0986 348 047
		B	12	☐	☐	0986 348 048
		B	24	☐	☐	0986 348 049
		–	12/24	☐	☐	0986 348 116
		A	12	☐	☐	0986 348 117
		A	24	☐	☐	0986 348 118
		B	12	☐	☐	0986 348 119
		B	24	☐	☐	0986 348 120
		–	12/24	☐	☐	0986 348 080
		A	12	☐	☐	0986 348 081
		A	24	☐	☐	0986 348 082
		B	12	☐	☐	0986 348 083
		B	24	☐	☐	0986 348 084
		C	12	☐	☐	0986 348 085
		C	24	☐	☐	0986 348 086
		–	12/24	☐	☐	0986 348 094
		A	12	☐	☐	0986 348 095
		A	24	☐	☐	0986 348 096
		B	12	☐	☐	0986 348 097
		B	24	☐	☐	0986 348 098
		–	12/24	☐	☐	0986 348 121
		A	12	☐	☐	0986 348 122
		A	24	☐	☐	0986 348 123
		B	12	☐	☐	0986 348 124
		B	24	☐	☐	0986 348 125
		–	12/24	☐	☐	0986 348 075
		A	12	☐	☐	0986 348 076
		A	24	☐	☐	0986 348 077
		B	12	☐	☐	0986 348 078
		B	24	☐	☐	0986 348 079
		–	12/24	☐	☐	0986 348 104
		A	12	☐	☐	0986 348 105
		A	24	☐	☐	0986 348 106
		B	12	☐	☐	0986 348 107
		B	24	☐	☐	0986 348 108
		–	12/24	☐	☐	0986 348 104
		A	12	☐	☐	0986 348 105
		A	24	☐	☐	0986 348 106
		B	12	☐	☐	0986 348 107
		B	24	☐	☐	0986 348 108
		X	24	☐	☐	0986 348 201
		X	24	☐	☐	0986 348 201
		X	24	☐	☐	0986 348 201
		X	24	☐	☐	0986 348 201

Note:
For two-speed wipers

Note: With elastic spring I-II for single-speed wipers and washer system

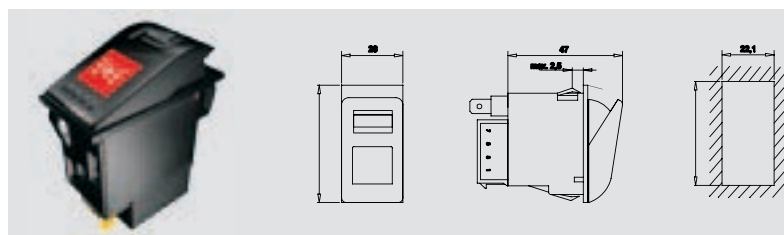
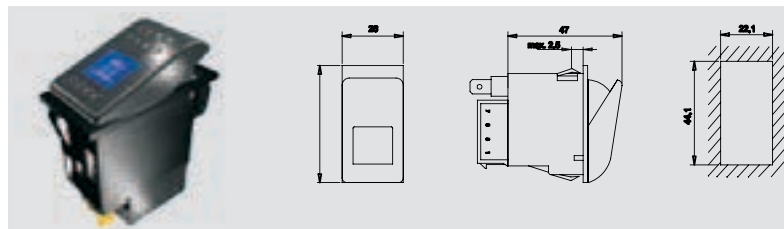
X = Switch for warning functions with function symbols for lighting and hazard warning system.

Illustration	Circuit diagram	Light	Volts	Lock		Part number
				On	Off	
		X	24	○	○	0986 348 203
		X	24	●	○	0986 348 202
		X	12	○	○	0986 348 218
		X	12	○	○	0986 348 226
		X	24	○	○	0986 348 227
		X	12	○	○	0986 348 176
		X	24	○	○	0986 348 177
		X	12	○	○	0986 348 178
		X	24	○	○	0986 348 179
		X	12	○	○	0986 348 180
		X	24	○	○	0986 348 181
		X	24	●	○	0986 348 242

X = Switch for warning functions with function symbols for lighting and hazard warning system.

Flush-mounted and indicator switches

Product range „Modern design“ Type 2



Symbol illumination options



Version A

Applications: Non-illuminated switches or switches with direct illumination by lighting element.



Version B

Applications: Illuminated switches (light shines through plastic diaphragm, diffuse light).



Version C

Applications: Illuminated switches.
When not switched on, the switch is only dimly lit (diffuse light: position of switch can be seen).
It is more brightly lit when switched on (switch set to ON: bright light).

Key to circuit diagram symbols



Switch (On/Off)

This switch can be set to different positions.



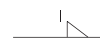
Rocker switch

This switch returns to its original position after being actuated.



Double locking

Status is retained until switch is actuated again.



Single locking

Switch engages.



Non-locking switch

Switch function in the form of a button.



Non-locking switch

Switch function in the form of a button on both sides.

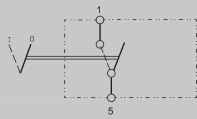
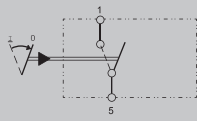
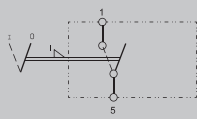
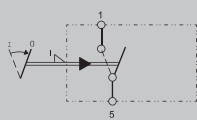
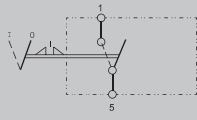
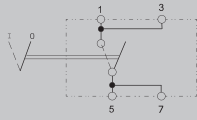
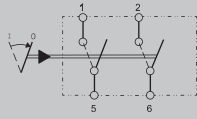
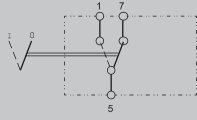
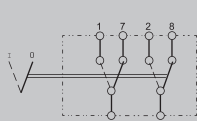
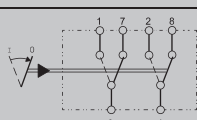
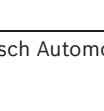
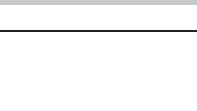
Illustration	Circuit diagram	Light	Volts	Lock		Part number
				On	Off	
		–	12/24	☐	☐	0986 348 300
		A	12	☐	☐	0986 348 301
		A	24	☐	☐	0986 348 302
		B	12	☐	☐	0986 348 303
		B	24	☐	☐	0986 348 304
		C	12	☐	☐	0986 348 305
		–	12/24	☐	☐	0986 348 307
		A	12	☐	☐	0986 348 308
		A	24	☐	☐	0986 348 309
		B	12	☐	☐	0986 348 310
		B	24	☐	☐	0986 348 311
		–	12/24	☒	☐	0986 348 307
		–	12/24	☒	☐	0986 348 455
		A	12	☒	☐	0986 348 456
		A	24	☒	☐	0986 348 457
		B	12	☒	☐	0986 348 458
		B	24	☒	☐	0986 348 459
		C	12	☒	☐	0986 348 460
		–	12/24	☒	☐	0986 348 461
		A	12	☒	☐	0986 348 448
		A	24	☒	☐	0986 348 449
		B	12	☒	☐	0986 348 450
		B	24	☒	☐	0986 348 451
		C	12	☒	☐	0986 348 452
		–	12/24	☒	☐	0986 348 453
		A	12	☒	☐	0986 348 454
		A	24	☒	☐	0986 348 462
		B	12	☒	☐	0986 348 463
		B	24	☒	☐	0986 348 464
		C	12	☒	☐	0986 348 465
		–	12/24	☒	☐	0986 348 466
		A	12	☒	☐	0986 348 467
		A	24	☒	☐	0986 348 468
		B	12	☒	☐	0986 348 469
		B	24	☒	☐	0986 348 470
		C	12	☒	☐	0986 348 471
		–	12/24	☐	☐	0986 348 462
		A	12	☐	☐	0986 348 463
		A	24	☐	☐	0986 348 464
		B	12	☐	☐	0986 348 465
		B	24	☐	☐	0986 348 466
		C	12	☐	☐	0986 348 467
		–	12/24	☐	☐	0986 348 468
		A	12	☐	☐	0986 348 312
		A	24	☐	☐	0986 348 313
		B	12	☐	☐	0986 348 314
		B	24	☐	☐	0986 348 315
		C	12	☐	☐	0986 348 316
		–	12/24	☐	☐	0986 348 317
		A	12	☐	☐	0986 348 318
		A	24	☐	☐	0986 348 426
		B	12	☐	☐	0986 348 427
		B	24	☐	☐	0986 348 428
		C	12	☐	☐	0986 348 429
		–	12/24	☐	☐	0986 348 430
		A	12	☐	☐	0986 348 319
		A	24	☐	☐	0986 348 320
		B	12	☐	☐	0986 348 321
		B	24	☐	☐	0986 348 322
		C	12	☐	☐	0986 348 323
		–	12/24	☐	☐	0986 348 324
		A	12	☐	☐	0986 348 325
		A	24	☐	☐	0986 348 409
		B	12	☐	☐	0986 348 410
		B	24	☐	☐	0986 348 411
		C	12	☐	☐	0986 348 412
		–	12/24	☐	☐	0986 348 413
		A	12	☐	☐	0986 348 414
		A	24	☐	☐	0986 348 415
		B	12	☐	☐	0986 348 482
		B	24	☐	☐	0986 348 483
		C	12	☐	☐	0986 348 484
		–	12/24	☐	☐	0986 348 485
		A	12	☐	☐	0986 348 486
		A	24	☐	☐	0986 348 487
		B	12	☐	☐	0986 348 488
		B	24	☐	☐	0986 348 489
		C	12	☐	☐	0986 348 490

Illustration	Circuit diagram	Light	Volts	Lock		Part number
				On	Off	
		–	12/24	●	○	0986 348 504
		A	12	●	○	0986 348 505
		A	24	●	○	0986 348 506
		B	12	●	○	0986 348 507
		B	24	●	○	0986 348 508
		C	12	●	○	0986 348 509
		C	24	●	○	0986 348 510
		–	12/24	●	●	0986 348 469
		A	12	●	●	0986 348 470
		A	24	●	●	0986 348 471
		B	12	●	●	0986 348 472
		B	24	●	●	0986 348 473
		C	12	●	●	0986 348 474
		C	24	●	●	0986 348 475
		–	12/24	○	○	0986 348 333
		A	12	○	○	0986 348 334
		A	24	○	○	0986 348 335
		B	12	○	○	0986 348 336
		B	24	○	○	0986 348 337
		C	12	○	○	0986 348 338
		C	24	○	○	0986 348 339
		–	12/24	○	○	0986 348 340
		A	12	○	○	0986 348 341
		A	24	○	○	0986 348 342
		B	12	○	○	0986 348 343
		B	24	○	○	0986 348 344
		–	12/24	○	○	0986 348 535
		A	12	○	○	0986 348 536
		A	24	○	○	0986 348 537
		B	12	○	○	0986 348 538
		B	24	○	○	0986 348 539
		C	12	○	○	0986 348 540
		C	24	○	○	0986 348 541
		–	12/24	○	○	0986 348 543
		A	12	○	○	0986 348 544
		A	24	○	○	0986 348 545
		B	12	○	○	0986 348 546
		B	24	○	○	0986 348 547
		–	12/24	○	○	0986 348 326
		A	12	○	○	0986 348 327
		A	24	○	○	0986 348 328
		B	12	○	○	0986 348 329
		B	24	○	○	0986 348 330
		C	12	○	○	0986 348 331
		C	24	○	○	0986 348 332
		–	12/24	●	○	0986 348 487
		A	12	●	○	0986 348 488
		A	24	●	○	0986 348 489
		B	12	●	○	0986 348 490
		B	24	●	○	0986 348 491
		C	12	●	○	0986 348 492
		C	24	●	○	0986 348 493
		–	12/24	○	○	0986 348 399
		A	12	○	○	0986 348 400
		A	24	○	○	0986 348 401
		B	12	○	○	0986 348 402
		B	24	○	○	0986 348 403
		–	12/24	○	○	0986 348 387
		A	12	○	○	0986 348 388
		A	24	○	○	0986 348 389
		B	12	○	○	0986 348 390
		B	24	○	○	0986 348 391
		C	12	○	○	0986 348 392
		C	24	○	○	0986 348 393

Note: With elastic spring I-II for single-speed wipers and washer system

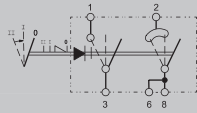
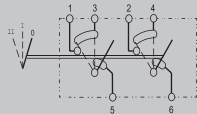
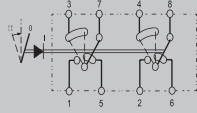
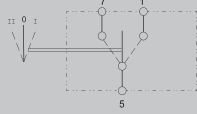
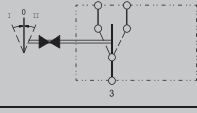
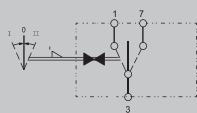
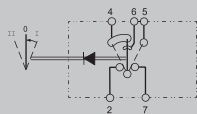
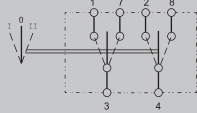
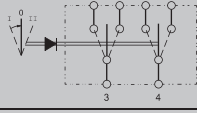
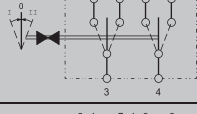
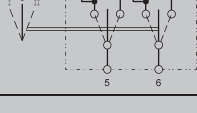
Illustration	Circuit diagram	Light	Volts	Lock		Part number
				On	Off	
		–	12/24	●	○	0986 348 528
		A	12	●	○	0986 348 529
		A	24	●	○	0986 348 530
		B	12	●	○	0986 348 531
		B	24	●	○	0986 348 532
		C	12	●	○	0986 348 533
		C	24	●	○	0986 348 534
		–	12/24	○	○	0986 348 431
		A	12	○	○	0986 348 432
		A	24	○	○	0986 348 433
		B	12	○	○	0986 348 434
		B	24	○	○	0986 348 435
		C	12	○	○	0986 348 436
		C	24	○	○	0986 348 437
		–	12/24	○	○	0986 348 511
		A	12	○	○	0986 348 512
		A	24	○	○	0986 348 513
		B	12	○	○	0986 348 514
		B	24	○	○	0986 348 515
		C	12	○	○	0986 348 516
		C	24	○	○	0986 348 517
		–	12/24	○	○	0986 348 438
		A	12	○	○	0986 348 439
		A	24	○	○	0986 348 440
		B	12	○	○	0986 348 441
		B	24	○	○	0986 348 442
		–	12/24	○	○	0986 348 365
		A	12	○	○	0986 348 366
		A	24	○	○	0986 348 367
		B	12	○	○	0986 348 368
		B	24	○	○	0986 348 369
		–	12/24	○	○	0986 348 548
		A	12	○	○	0986 348 549
		A	24	○	○	0986 348 550
		B	12	○	○	0986 348 551
		B	24	○	○	0986 348 552
		–	12/24	○	○	0986 348 443
		A	12	○	○	0986 348 444
		A	24	○	○	0986 348 445
		B	12	○	○	0986 348 446
		B	24	○	○	0986 348 447
		–	12/24	○	○	0986 348 350
		A	12	○	○	0986 348 351
		A	24	○	○	0986 348 352
		B	12	○	○	0986 348 353
		B	24	○	○	0986 348 354
		–	12/24	○	○	0986 348 360
		A	12	○	○	0986 348 361
		A	24	○	○	0986 348 362
		B	12	○	○	0986 348 363
		B	24	○	○	0986 348 364
		–	12/24	○	○	0986 348 355
		A	12	○	○	0986 348 356
		A	24	○	○	0986 348 357
		B	12	○	○	0986 348 358
		B	24	○	○	0986 348 359
		–	12/24	○	○	0986 348 370
		A	12	○	○	0986 348 371
		A	24	○	○	0986 348 372
		B	12	○	○	0986 348 373
		B	24	○	○	0986 348 374



Illustration	Circuit diagram	Light	Volts	Lock		Part number
				On	Off	
		–	12/24	☐	☐	0986 348 494
		A	12	☐	☐	0986 348 495
		A	24	☐	☐	0986 348 496
		B	12	☐	☐	0986 348 497
		B	24	☐	☐	0986 348 498
		C	12	☐	☐	0986 348 499
		C	24	☐	☐	0986 348 500
		–	12/24	☐	☐	0986 348 519
		A	12	☐	☐	0986 348 520
		A	24	☐	☐	0986 348 521
		B	12	☐	☐	0986 348 522
		B	24	☐	☐	0986 348 523
		C	12	☐	☐	0986 348 524
		C	24	☐	☐	0986 348 525
		–	12/24	☐	☐	0986 348 345
		A	12	☐	☐	0986 348 346
		A	24	☐	☐	0986 348 347
		B	12	☐	☐	0986 348 348
		B	24	☐	☐	0986 348 349
		–	12/24	☐	☐	0986 348 416
		A	12	☐	☐	0986 348 417
		A	24	☐	☐	0986 348 418
		B	12	☐	☐	0986 348 419
		B	24	☐	☐	0986 348 420
		–	12/24	☐	☐	0986 348 380
		A	12	☐	☐	0986 348 381
		A	24	☐	☐	0986 348 382
		B	12	☐	☐	0986 348 383
		B	24	☐	☐	0986 348 384
		C	12	☐	☐	0986 348 385
		C	24	☐	☐	0986 348 386
		–	12/24	☐	☐	0986 348 394
		A	12	☐	☐	0986 348 395
		A	24	☐	☐	0986 348 396
		B	12	☐	☐	0986 348 397
		B	24	☐	☐	0986 348 398
		–	12/24	☐	☐	0986 348 421
		A	12	☐	☐	0986 348 422
		A	24	☐	☐	0986 348 423
		B	12	☐	☐	0986 348 424
		B	24	☐	☐	0986 348 425
		–	12/24	☐	☐	0986 348 375
		A	12	☐	☐	0986 348 376
		A	24	☐	☐	0986 348 377
		B	12	☐	☐	0986 348 378
		B	24	☐	☐	0986 348 379
		–	12/24	☐	☐	0986 348 404
		A	12	☐	☐	0986 348 405
		A	24	☐	☐	0986 348 406
		B	12	☐	☐	0986 348 407
		B	24	☐	☐	0986 348 408
		▲	24	☐	☐	0986 348 501
		▲	24	☐	☐	0986 348 503

Illustration	Circuit diagram	Light	Volts	Lock		Part number
				On	Off	
 Note: 10A		▲	24	●	○	0986 348 502
 Note: 10A		▲	12	○	○	0986 348 518
 Note: 10A		▲	12	○	○	0986 348 526
		▲	24	○	○	0986 348 527
 Note: Contacts 6-8 and 6-2 = 10A Others = 5A		▲	12	○	○	0986 348 476
		▲	24	○	○	0986 348 477
 Note: Contacts 6-8 and 6-2 = 10A Others = 5A		▲	12	○	○	0986 348 478
		▲	24	○	○	0986 348 479
 Note: Contacts 6-8 and 6-2 = 10A Others = 5A		▲	12	○	○	0986 348 480
		▲	24	○	○	0986 348 481
 Note: Contacts 6-8 and 6-2 = 10A Others = 5A		▲	24	●	○	0986 348 542

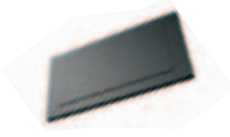
▲ = Switch (Version A) with flasher function

Overview of function symbols

Symbol	Description	Part number
	Green	0 986 348 711
	Red	0 986 348 707
	Orange	0 986 348 705
	Wipers	0 986 348 708
	Wipers / washer system	0 986 348 706
	Dipped beam	0 986 348 710

Symbol	Description	Part number
	Main beam	0 986 348 703
	Floodlamp	0 986 348 700
	Hazard warning system	0 986 348 704
	Turbo blower	0 986 348 709
	Adjustment of blower speed	0 986 348 701
	Cylinder setting	0 986 348 702

Accessories

Symbol	Description	Part number
	Mounting frame	0 986 348 618
	Mounting frame	0 986 348 617
	Mounting frame	0 986 348 616
	Mounting frame	0 986 348 615
	Mounting frame	0 986 348 600
	Screen	0 986 348 621
	Socket	12 V incl. 1 bulb 0 986 348 601 24 V incl. 1 bulb 0 986 348 602 12 V incl. 2 bulbs 0 986 348 603 24 V incl. 2 bulbs 0 986 348 604
	Socket	12 V incl. 1 bulb 0 986 348 608 24 V incl. 1 bulb 0 986 348 610 12 V incl. 2 bulbs 0 986 348 609 24 V incl. 2 bulbs 0 986 348 611
	Plug-in lamp	12 V 0 986 348 624 24 V 0 986 348 623

Symbol	Description	Part number
	Plug-in lamp	12 V 0 986 348 619 24 V 0 986 348 620
	Plug-in lamp (LED)	12 V 0 986 348 606 24 V 0 986 348 607
	Socket	0 986 348 622
	Socket	0 986 348 605

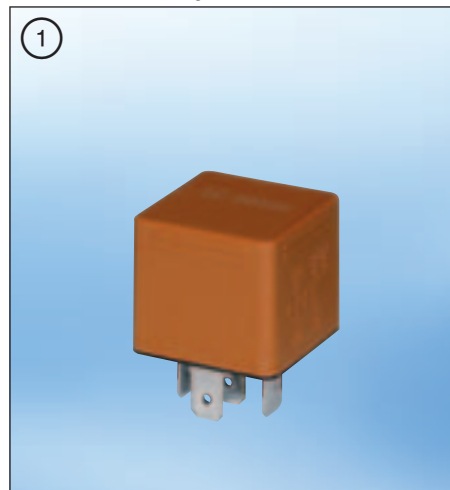


Mini-relays

Good for 250,000 switching cycles

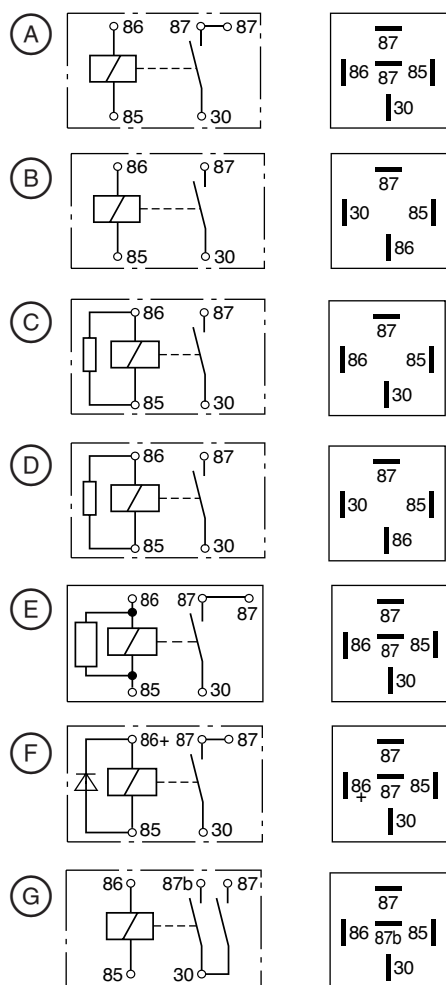
NO-contact relays

12 V / 24 V



Version	Rated voltage Rated current (terminal 87)	Mounting bracket	Fig.	Part number
Basic version	12 V 30 A	with	3 A	0 332 014 125
			2 A	0 332 019 150
		without	2 A	0 332 019 801 □
			1 A	0 332 019 151
Basic version	24 V 20 A	with	2 A	0 332 019 203
			1 A	0 332 019 213
		without	2 B	0 332 019 157
			1 B	0 332 019 166
Shunt resistor for suppressing inductive interference- voltage peaks.	12 V 40 A	with	2 B	0 332 019 157
	12 V	without	1 B	0 332 019 166
	24 V	without	1 B	0 332 019 205
	12 V 30 A	without	1 C	0 332 019 103
	12 V 30 A	with	2 C	0 332 019 110
	12 V 30 A	T-bar	1 C	0 332 019 456
	12 V 40 A	without	1 C	0 332 019 457
		detend	1 C	0 986 332 040
		without	1 C	0 986 332 071
		T-bar	1 C	0 986 332 072
Shunt resistor for suppressing inductive interference- voltage peaks.	12 V 60 A	without	1 C	0 986 332 030
	12 V 70 A	without	1 C	0 986 332 002
	12 V 70 A	T-bar	1 C	0 986 332 050
		without	1 C	0 986 332 050
Shunt resistor for suppressing inductive interference-voltage peaks.	12 V 20 A	with	2 D	0 332 019 453
Decay diode for suppressing inductive interference- voltage peaks.	12 V 30 A	without	1 E	0 332 014 112
Shunt resistor for suppressing inductive interference- voltage peaks.	24 V 30 A	without	1 E	0 332 019 204
Decay diode for suppressing inductive interference- voltage peaks.	12 V 30 A	with	2 F	0 332 019 155
		without	1 F	0 332 019 109
Basic version	24 V 20 A	without	1 F	0 332 014 213
No contacts with two makes	12 V, 2 x 15 A	with	3 G	0 332 015 001
		without	1 G	0 332 015 006
	24 V, 2 x 10 A	with	3 G	0 332 015 002
		without	1 G	0 332 015 008

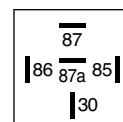
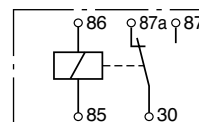
□ Self-service pack



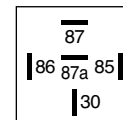
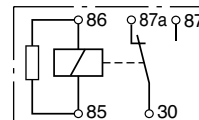
Change-over contact relays (can also be used as NC contacts)**6 V / 12 V / 24 V**

Version	Rated voltage Rated current (terminal 87)	Mounting bracket	Fig.	Part number
Basic version	6 V 20 A/30 A	with	3 H	0 332 204 001
	12 V 30 A	with	3 H	0 332 204 125
	12 V 40 A/60 A	without	1 H	0 986 332 022
	12 V 30 A/20 A	with	2 H	0 332 209 150
		without	1 H	0 332 209 137
			1 H	0 332 209 138
		1 H	0 332 209 151	
	24 V 20 A	with	3 H	0 332 204 203
	24 V 20 A Kl. CUZn	without	1 H	0 332 209 201
	24 V 20 A/10 A	with	2 H	0 332 209 203
		without	1 H	0 332 209 211
	lamp load only, max. 100 W	without	1 H	0 332 204 212
	24 V 20 A	without	1 H	0 332 204 202
Shunt resistor for suppressing inductive interference- voltage peaks.	12 V 30 A	with	3 I	0 332 204 402
	Kl. 30 / 86 Interchanged			
	12 V 30 A/20 A	without	1 I	0 332 209 159
	12 V 40 A/40 A	detend	1 I	0 986 332 041
	12 V 40 A/60 A	T-bar	1 I	0 986 332 053
			1 I	0 986 332 073
	24 V 20 A	with	3 I	0 332 204 207
		T-bar	1 I	0 332 209 216
24 V 20 A/10 A	with	2 I	0 332 209 207	
	without	1 I	0 332 209 206	
Decay diode for suppressing inductive interference- voltage peaks.	12 V 30 A/20 A	with	2 K	0 332 209 158
		without	1 K	0 332 209 152
Blade terminal silver-plated.	12 V 30 A	without	1 J	0 332 209 167
	24 V 20 A/10 A	without	1 J	0 332 204 204
			1 J	0 332 209 204

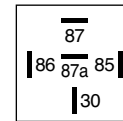
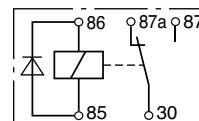
(H)



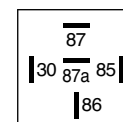
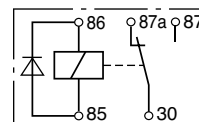
(I)



(J)

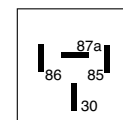
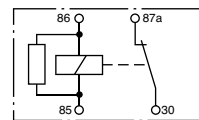


(K)

**NC Contacts**

Version	Rated voltage Rated current (terminal 87/87a)	Mounting bracket	Fig.	Part number
Shunt resistor for suppressing inductive interference- voltage peaks.	12 V 10 A	without	1 L	0 332 109 011

(L)



Accessories

For mini-relays, time-lag relays, turn-signal flashers, pulse generators, and vehicular hazard-warning-signal flashers



1 Socket housing (5-pole) with mounting bracket

For relays and sensors without mounting bracket. For single and multiple mounting.

Design: Glass-fiber-reinforced polyamide. The blade receptacles engage with their locking lance and are locked firmly in position. The plug-in bases are provided with groove and tongue and can therefore be assembled in rows; it is necessary only to secure 2 bases (hole diameter 5.3 mm, distance from base to base mount 30.5 mm).

3 334 485 008 ²⁾

²⁾ Qty. in pack: 5



2 Socket housing (5-pole) without mounting bracket

For relays and hazard-warning flasher units with mounting bracket.

Design: glass-fiber-reinforced polyamide. The blade receptacles engage with their locking lance and are locked firmly in position.

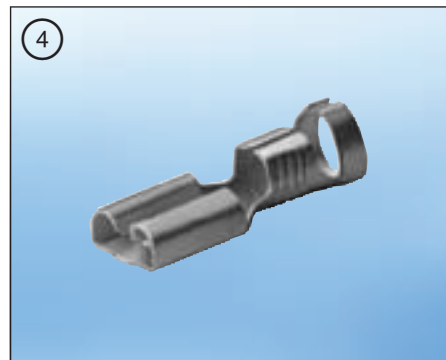
3 334 485 007 ²⁾



3 Plug housing

as ... 007, but for soldering onto printed circuit board.

3 334 485 041



4 Blade receptacles with locking lance

For socket housing.

Terminal size: 6.3 x 0.8 mm, as per DIN 46340/3.

Qty. in pack: 25

For conductor cross-section 1,5–2,5 mm²

1 901 355 975

Note

Relays not only reduce the loading imposed on control switches, but also reduce the voltage drops in the wiring. Furthermore, interlock circuits are a simple matter with relays. In case of cramped installation conditions, mini-relays can provide the solution.

In the case of pre-tested wiring harnesses, multiple connectors facilitate simple assembly and lower failure rates.

The following mini-relay versions are available:

- Mini-relay without mounting bracket. Easily inserted in buttable screw-fastening plug-in base.
- Mini-relay with mounting bracket. Electrical connection through 5-pole socket.

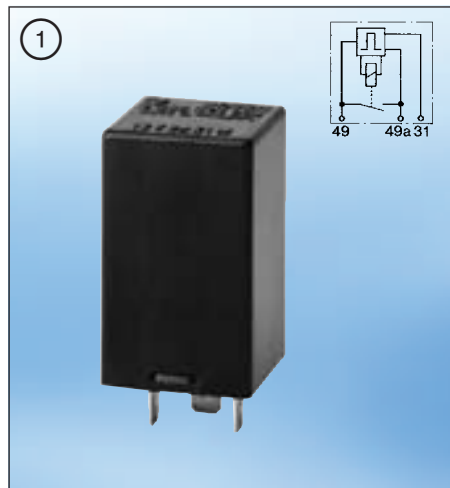
Blade-terminal connection

Blade-terminal size: 6.3 x 0.8 mm to ISO 7588

Degree of protection:

When using multiple connectors: Housing IP 34 to IEC 60529, contact with tools etc. thickness $\varnothing > 2.5$ mm. Splashwater from all directions (terminals pointing downwards).

Pulse generators



1 Pulse generators, electronically controlled

12 V/24 V

For intermittent switching of devices or lamps, e.g. to improve the warning effect of indicator lamps.

Circuitry: load-independent, starts with on phase.

Load: according to service life in hours, max. 50 W for 100 h, 100 W for 36 h.

Frequency 90 ±15 pulses/min.

Fastening: on plug-in base (accessory).

Connection: blade terminals.

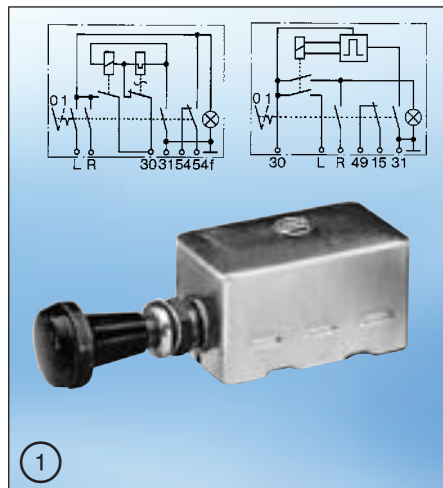
12 V	0 335 322 001
24 V	0 335 323 001

Load: max. 8 x 21 W for 100 h.

24 V	0 335 323 003
------	----------------------

Hazard-warning-signal flashers

For vehicles with or without trailer



1 Hazard-warning-signal flasher

12 V/24 V

For single and dual-circuit turn-signal systems.

Design: electronic flasher. Push-pull switch with indicator lamp in knob, without cable set.

Fastening: with round nut, installation hole

Ø 10.5 mm, wall thickness up to 7 mm.

Connection: blade terminals.

12 V, max. 8x 21 W	0 336 851 004
24 V, max. 8x 21 W	0 336 900 000 ¹⁾

Switch shaft sealed for tractors

12 V, max. 8x 21 W	0 336 851 008
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Bulb (shape J)

12 V 2 W	1 987 302 224
24 V 3 W	1 987 302 519

Universal cable set (not shown)

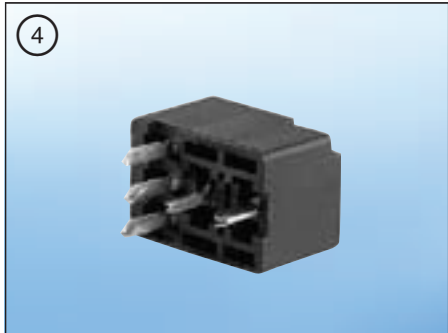
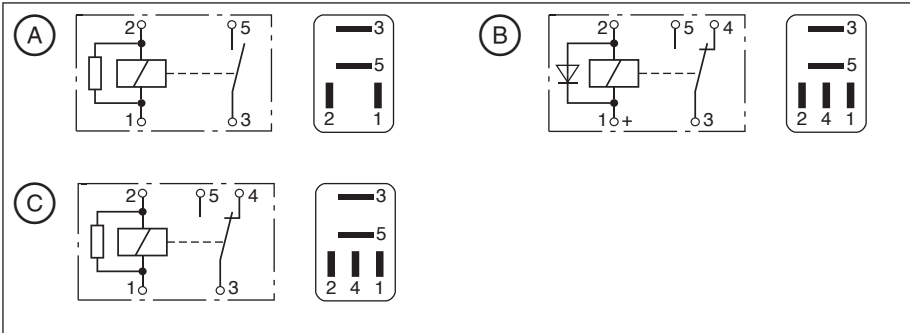
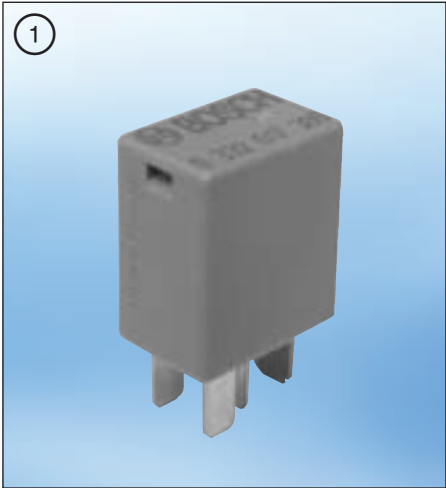
1 354 463 007

¹⁾ for single-circuit turn-signal systems only.

Micro-relays

Compact, and high making and/or breaking capacity

Note:
Please refer to relay
catalog 1 987 721 076.



Many loads can be switched with micro relays with a lower power than the customary 30 A mini-relays. The micro relays which can be loaded with a rated current of up to 20 A are compact and have a low power loss.

Terminal designation cross-reference

Micro-relay	Mini-relay	Recommended polarity
1	86	+
2	30	+
3	87a	
4	87	

Blade terminal sizes

Connections 1, 2, 4	4.8 x 0.8 mm
Connections 3, 5	6.3 x 0.8 mm

Rated voltage V	Rated switching current A	Mounting bracket	Fastening hole mm	Circuit diagram/ pin assignment	Fig.	Part number
NO-contact relays						
12	20	without	–	A	1	0 332 017 300

Change-over contact relays (can also be used as NC-contact relays)

12	30/10	without	–	C	1	0 332 201 107
	20/10	without	–	B	1	0 332 207 304
24	10/5	without	–	B	1	0 332 207 402
	10/5	without	–	C	2	0 332 207 405

Accessories (order separately)

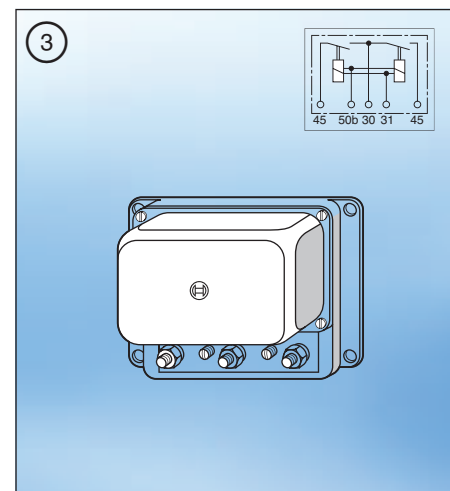
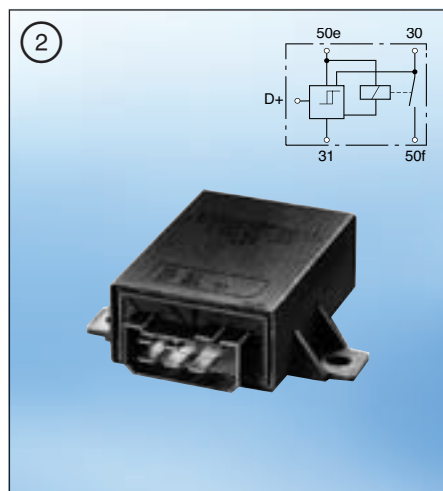
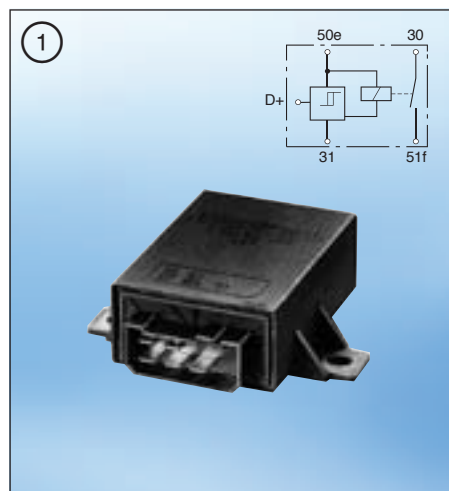
Socket housing

Version	Fastening hole mm	Fig.	Part number
Mounting bracket with hole	Ø 5.3	3	3 334 485 045
without mounting bracket	–	4	3 334 485 046
for soldering onto printed circuit board	–	5	3 334 485 049 ¹⁾

¹⁾ Note: When soldering, insert relays into the socket housing; the receptacles will then be adjusted to the correct position.

Relays for starters

For commercial vehicles, buses and assemblies of equipment.
Preferred for engines where starting cannot be heard.



- 1 Start-locking relay**
Protects the starter, the pinion and the flywheel ring gear against overload.
Start-locking function:
- Switches off the starter when the engine starts to run on its own.
 - Prevents actuation of the starter when the engine is running.
 - Prevents actuation of the starter after the start command has been interrupted, until the starter and engine have stopped.
- Fitting: vertical on a vibration-free wall, protected against water and dirt.

- 2 Start-locking/start-repeating relay**
Start-locking function:
- Switches off the starter when the engine starts to run on its own.
 - Prevents actuation of the starter when the engine is running.
 - Prevents actuation of the starter after the start command has been interrupted, until the starter and engine have stopped.
- Start-repeating function:
- Automatic repetition of the engagement process in the event of problems with starting, until the starter pinion engages.
- Fitting: vertical on a vibration-free wall, protected against water and dirt.

- 5 Twin starting relays Application**
Primary-current switch for parallel operation of two sliding-gear starter motors. Following pinion engagement on both starters, the twin starting relay switches on both primary current windings instantaneously.

Rated voltage	Type of current	Switching	Connection	Fastening	Dimensions	fig.	Part number
Rated current				mm	L x w x H mm		

Start-locking/Start-repeating relay

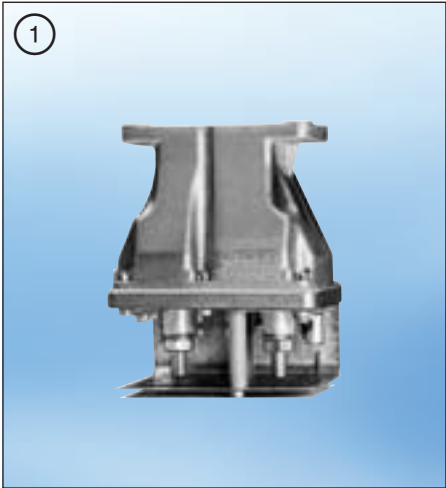
24 V*	AC	electronical	blade terminals	2x hole Ø 6.4	100 x 95 x 35	2	0 331 802 100
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* Terminal 50f – max. 15 amps.

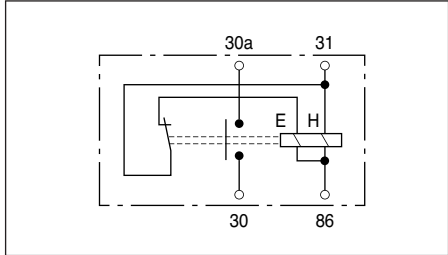
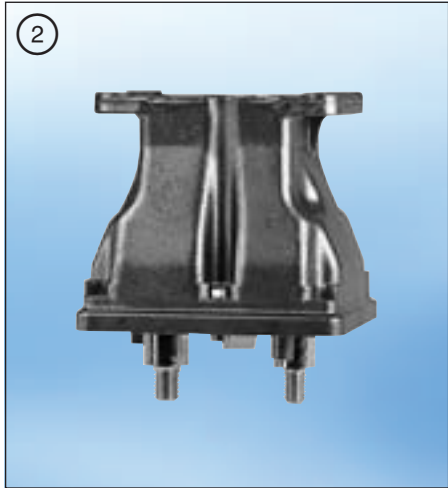
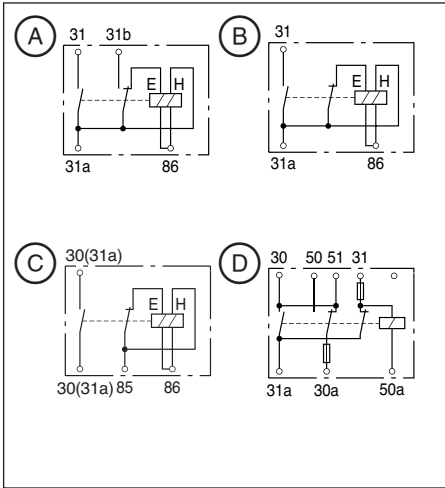
Dual starting relay

24 V	DC	V	screws M8	4x hole Ø 8.4	232 x 180 x 45	3	0 333 500 001
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Battery relays



1 Cutoff and switching relay, battery changeover relay
Design: open construction. With protective cover.
Fitting: the terminals must point downwards.
Fastening: 4 holes Ø 8.4 mm.
Connection: screw terminals.
Dimensions: 124 x 110 x 160 mm.



2 Cut-off and switching relay 24 V
Open construction: Without protective cover.
Fitting: Terminals must point downwards
Fastening: 4 holes, Ø 8.4 mm.
Connection: Screw terminals.
Dimensions: 114 x 78 x 141 mm.
Operating temperature range: -30...+100 °C.
Data for excitation side
Max. operating voltage: 30 V
Response voltage: ≤ 16 V
Dropout voltage: ≥ 0.5 V
Max. make current (at rated voltage) ≤ 4.5 A
Max. holding voltage (at rated voltage) ≤ 0.4 V
Data for contacts side
Permissible contact loading on terminal 30/30a.
Current: ≤ 2,500 A
Current-flow time: ≤ 1 s
Repeat time: ≥ 60 s
Continuous current: 200 A
Voltage drop: ≤ 10 mV
Test current: 10 A
0 333 301 015

Rated voltage V	Fig.	Switch- ing poles	Circuit diagramm	Switching current		Part number
				continuous duty ¹⁾ A	short-time duty A	

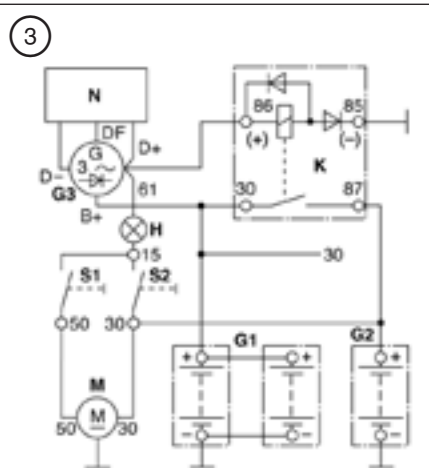
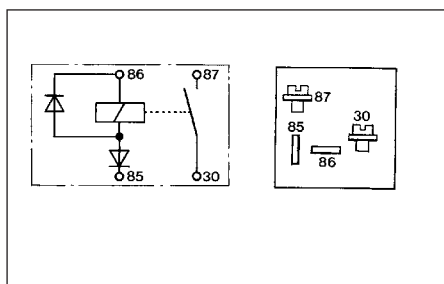
Cutoff and switching relay for disconnecting battery voltage (ground cable)						
12	①	2	A	60/200	2500 ²⁾	0 333 301 007
24	②	1	B	200	2500 ²⁾	0 333 301 009
	①		C	300	3500 ²⁾	0 333 301 010

¹⁾ max. 2 min, ²⁾ max. 1 s

Change-over relay for series and parallel connection of two 12 V batteries in 12 V systems with 24 V starter. For short-time duty.						
12	①	2	D	75	1500 ³⁾	0 333 300 003

³⁾ max. 5 s

Cable dimensions	Cable length up to	Cable cross-section
IA voltage drop in the control line (ignition switch terminal 86 of cutoff relay) must not exceed 0.5 V. The cable cross-section must be matched to the cable length.	3.2 m	1.5 mm ²
	5.3 m	2.5 mm ²
	8.5 m	4 mm ²
	13.0 m	6 mm ²
Note: Battery relays should be installed as close to the batteries as possible, in order to keep the connection cables short.		



- G1 Battery for auxiliary equipment
- G2 Starter battery
- G3 Alternator
- H Charge-indicator lamp
- K Battery-cutoff relays
- M Starting
- N Voltage regulators
- S1 Ignition switches
- S2 Driving switches
- S1/S2 Combination of S1 and S2
- 30 Auxiliary equipment

3 Battery cutoff relay Normally open relay

Protects the starter battery against discharge. For disconnection of an additional second battery from the starter battery when the alternator is delivering no charge.

Design: seawater-protected. Relay with reversed-polarity-protective diode and decay diode for suppressing inductive voltage peaks.

Switching capacity: 12 V 75 A (400 A, 1 s).

Fastening: 2 holes Ø 5.3 mm.

Connection: screw terminals and blade terminals.

Dimensions: 75 x 35 mm, height 55 mm.

0 332 002 156 □

as ..002 156, but 12 V 75 A
(400 A, 1 s).

0 332 002 161 □

as ..002 156, but 24 V 50 A
(250 A, 1 s).

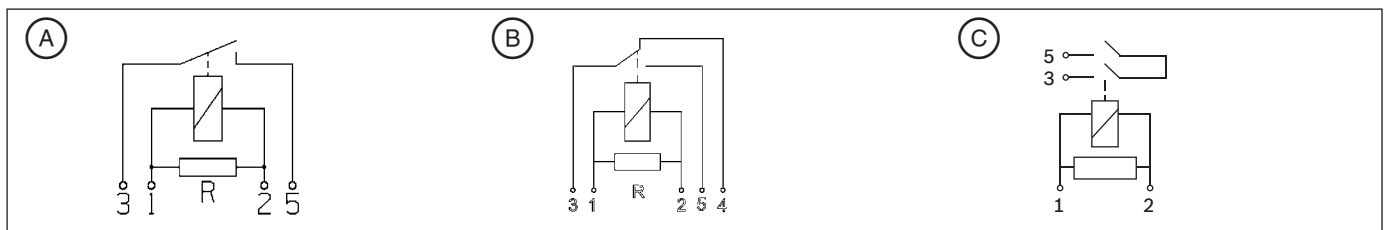
0 332 002 256 □

□ Self-service pack

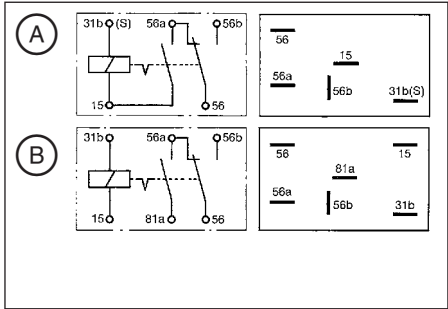
Normally open relay



Nominal voltage (switching and excitation circuit)	12 VDC	12 VDC	24 VDC
Switching current	130 A	130 A	130 A
Degree of protection of housing / Terminals	IP 67	IP 67	IP 67
Overall resistance	$R_{\text{total}} = (32,5 \pm 3,3)$	$R_{\text{total}} = (32,5 \pm 3,3)$	$R_{\text{total}} = (116,8 \pm 11,7)$
Illustration	④	⑤	⑥
Circuit diagramm	Ⓐ	Ⓑ	Ⓒ
	0 986 332 086	0 986 332 087	0 986 332 091



Relays for headlamps and auxiliary lamps



1 Step-by-step relay (stepping relay) up to 24 V

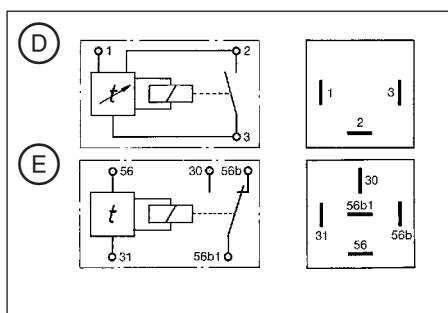
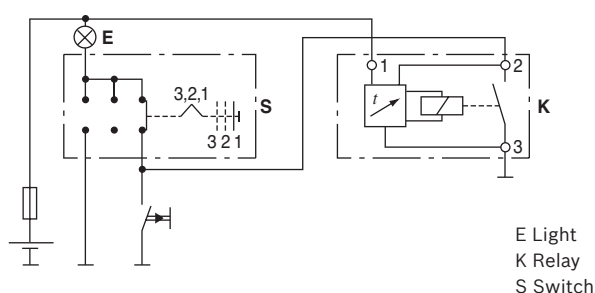
For switching high/low beam, headlamp flasher and other loads.
Operation: switching relay with changeover contact (for high and low beams). Switching is carried out by a short current pulse. The NO contact (for headlamp flasher) closes only as long as the relay is energized.
Design: galvanized housing.
Connection: blade terminals 6.3 x 0.8 mm, pointing downwards.
Dimensions: 58 x 45 mm, height 72 mm, with mounting bracket, height 52 mm with clip.

Ⓐ NO contact/changeover contact	
Fastening: mounting bracket, hole diameter 6.8 mm, center of hole to lower edge of relay 52 mm, without terminal 81a.	
12 V 150 W	0 332 515 009
24 V 150 W	0 332 515 012

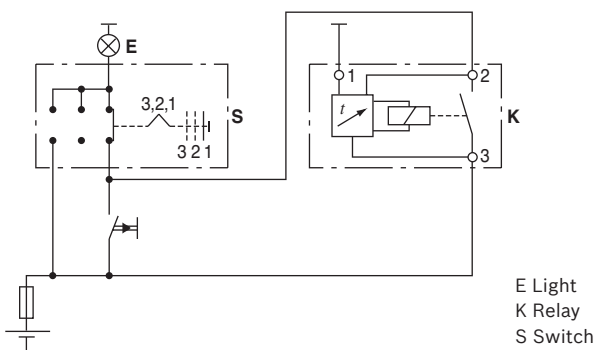
Ⓑ with terminal 81a, monostable; terminal 56, bistable.	
12 V 150 W	0 332 515 022



0 335 330 801 Application example 1



0 335 330 801 Application example 2



3 Easytronic time-lag relay (electronic time-lag relay) 12 V

Delayed switch-off of a load, e.g. interior lamp to illuminate the surroundings after leaving the vehicle.

Design: black polyamide housing, fiberglass reinforced.

Connection: blade terminals 6.3 x 0.8 mm.

Terminals point downwards.

Dimensions: 30 x 30 mm, height 60 mm.

Ⓔ For interior lamp

12 V 50 W max. switching capacity, switch-off delay adjustable 3–30 s.

NO contact **0 335 330 801¹⁾**

Ⓔ For low beam

12 V 150 W max. switching capacity, switch-off delay fixed 90 s.

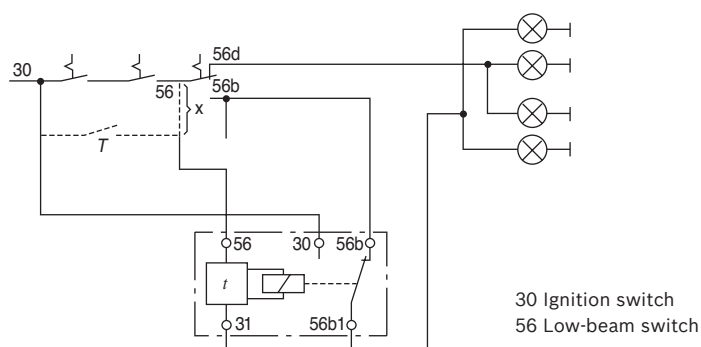
Change-over contact **0 335 330 802²⁾**

Installation instructions with possible circuits are enclosed.

¹⁾ 1 Relay, 1 universal holder, 3 blade receptacles.

²⁾ 1 Relay, 1 universal holder, 5 blade receptacles.

0 335 330 502 Application example



X: When button "T" is connected, line "X" is dispensed with.

Power relays

For switching starters, automatic preheating systems, motors.
Equipment of forklift trucks and for controlling hydraulic units.

Rated voltage V	Fig.	Circuit diagram	Switching poles	Switching current S1 ¹⁾ A	S2 ²⁾ A	Switch function (main relay) NC NO Change-over	Connection Screw Blade	Dimensions L/W/H mm	Part number
Power relay (some with preliminary contact, therefore less contact burn-off).									
Closed construction (polyamide housing); fastening 2 x Ø 5.3 mm.									
12	1	A	–	75	400	•	•	75 x 35 x 55	0 332 002 150 ³⁾
	1	A	–	75	400	•	•	75 x 35 x 55	0 332 002 160 ^{3) 5)}
	1	A	–	75	400	•	•	75 x 35 x 55	0 332 002 155
24	7	B	–	50	120	•	•	43,5 x 34,5 x 32,5	0 986 332 080
	1	A	–	50	200	•	•	75 x 35 x 55	0 332 002 250 ³⁾
	1	A	–	50	200	•	•	75 x 35 x 55	0 332 002 255
Power relay with parallel resistor (to suppress inductive interference-voltage peaks).									
Closed construction (polyamide housing); fastening 2 x Ø 5.3 mm.									
24	1	B	–	50	200	•	•	75 x 35 x 55	0 332 002 257
Power relay, closed construction (metal housing); fastening 2 x Ø 5.3 mm.									
12	2	C	1	80	800	•	•	110 x 55 x 60	0 333 006 004
	3	C	1	150	1000	•	•	104 x 56 x 57	0 333 009 004
	3	C	1	150	1000	•	•	110 x 55 x 60	0 333 009 010 ⁶⁾
24	2	C	1	80	800	•	•	110 x 55 x 60	0 333 006 006 ⁶⁾
	2	E	1	100	500	•	•	110 x 55 x 60	0 333 006 008
	4	D	2	100	800	•	•	105 x 50 x 55	0 333 006 010 ⁶⁾
	3	C	1	150	1000	•	•	104 x 56 x 57	0 333 009 002
	3	C	1	150	1000	•	•	104 x 56 x 57	0 333 009 005
	3	C	1	150	1000	•	•	104 x 56 x 57	0 333 009 009 ⁶⁾
	3	C	1	150	1000	•	•	106 x 56 x 57	0 333 009 011
Power relay, closed construction (metal housing); fastening 2 x Ø 5.3 mm.									
24	5	F	2	250 (3 Min.)		• Single contact	•	87 x 62 x 102	0 333 007 002
80	6	C	1	230	1500	•	•	135 x 70 x 100	0 333 200 013

Degrees of protection according to IEC 60529

Designation	Protection against contact	Protection against foreign bodies	Protection against water
IP 00	no protection	no protection	no protection
IP 30	with tools etc. Thickness Ø > 2.5 mm	Ø > 2,5 mm	no protection
IP 33	with tools etc. Thickness Ø > 2.5 mm	Ø > 2,5 mm	Spraywater, at angles up 60° from the perpendicular
IP 53	complete	dust-protected	Spraywater, at angles up 60° from the perpendicular
IP 54	complete	dust-protected	Splashwater from all directions
IP 6K9K	complete	dust proof	High pressure/steam jet cleaning

¹⁾ S1 – Continuous duty

²⁾ S2 – Short-time duty (1 s)

³⁾ With preliminary contact

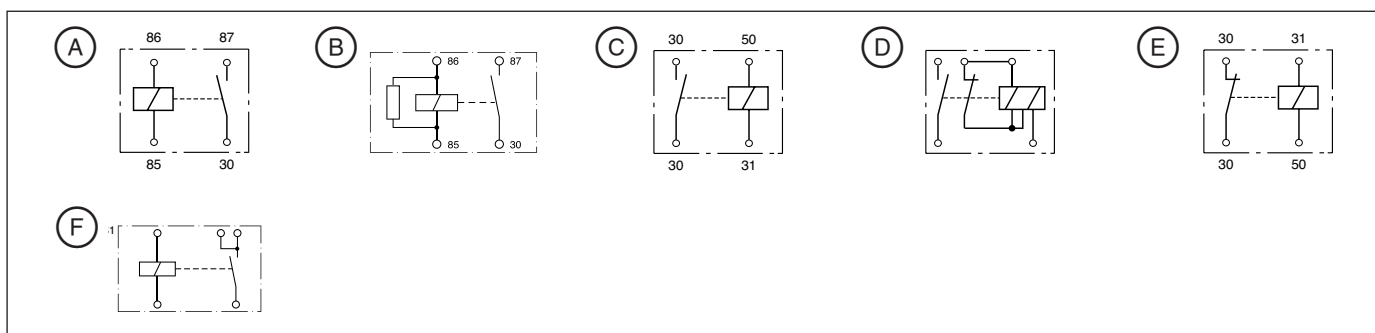
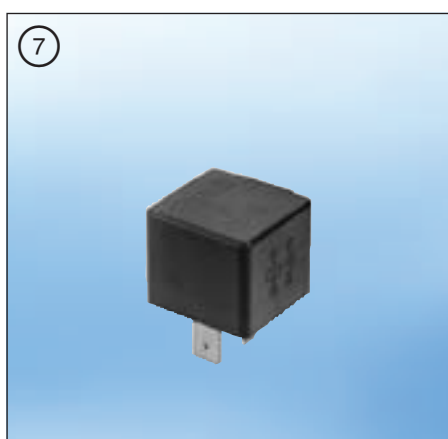
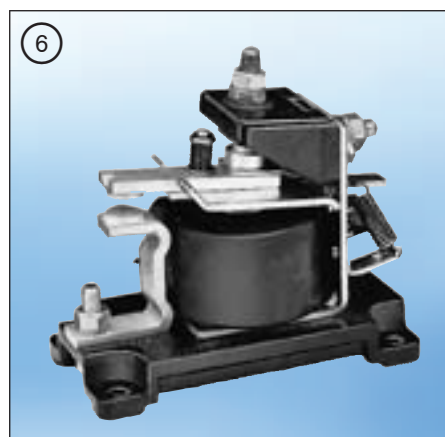
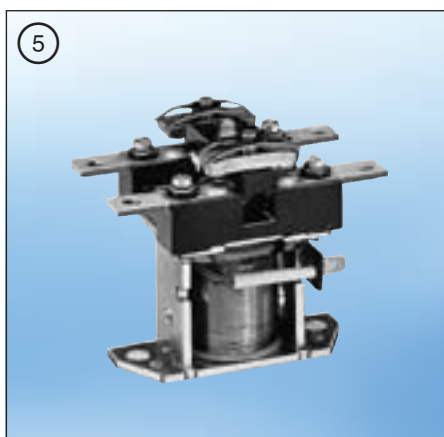
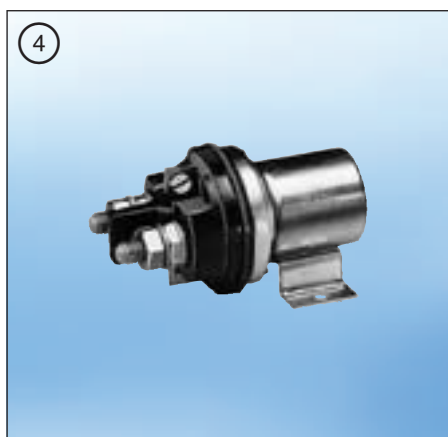
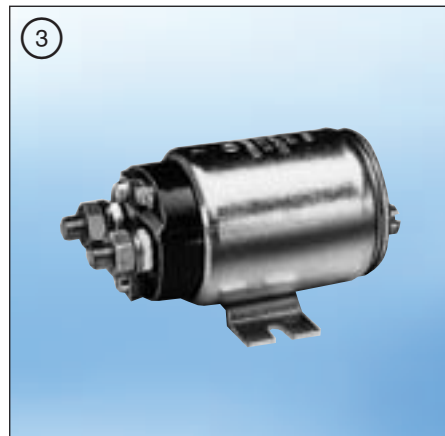
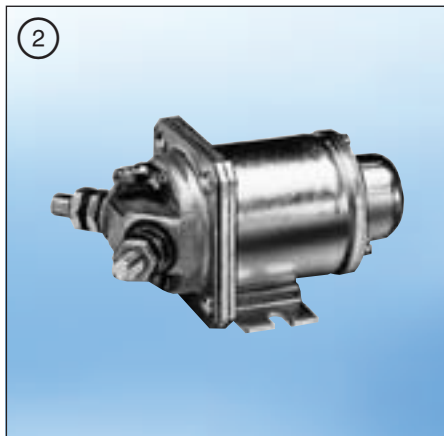
⁴⁾ Fitting position: long edge of baseplate vertical, max. inclination 10°

⁵⁾ Switch-on duration 25%, referred to 5 min., i.e. relay may be in operation for 1.25 mins max. A pause of 3.75 minutes must be maintained afterwards.

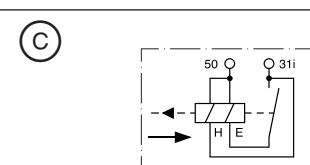
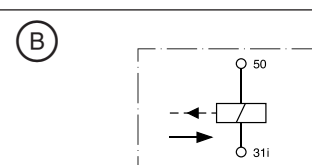
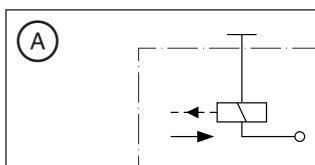
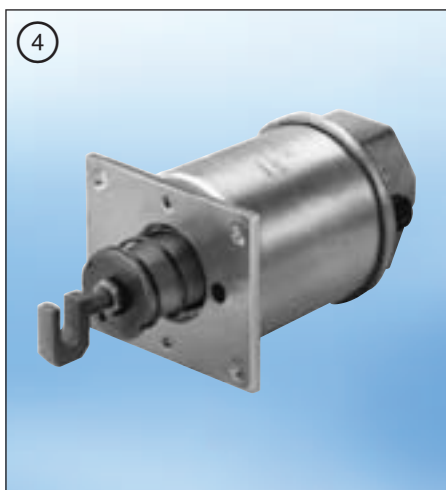
⁶⁾ Degree of protection

Relay	Housing	Terminals
0 333 006 006	IP 54	IP 00
0 333 006 010	IP 54	IP 00
0 333 006 015	IP 33	IP 00
0 333 006 017	IP 53	IP 00
0 333 009 003	IP 54	IP 00
0 333 009 009	IP 54	IP 00
0 333 009 010	IP 54	IP 00
0 333 009 008	IP 30	IP 00
0 333 009 017	IP 6K9K	IP 00

The connection terminals must not be exposed to water and dirt.
Power relays must be mounted with the terminals at the bottom.



Pulling electromagnets 12 V/24 V



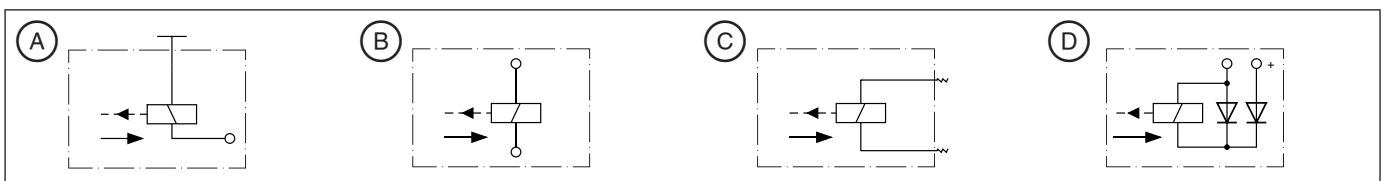
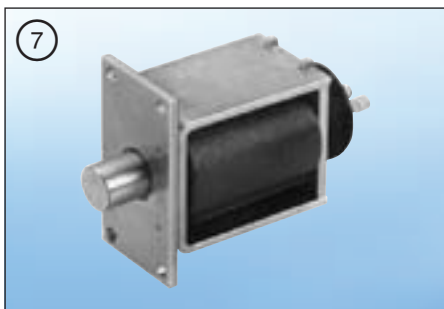
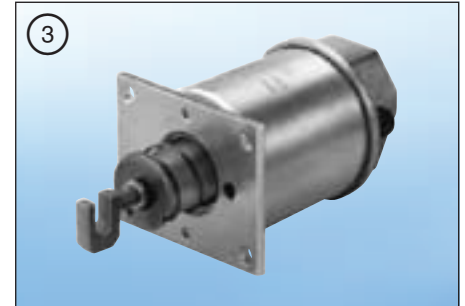
Nominal voltage	Working stroke	Nominal wattage ¹⁾	Operating mode ²⁾	Forces Working stroke ³⁾	Forces With armature pulled in ³⁾	Forces Return spring	Weight	Fig.	Connection and circuit diagram	Part number
V	mm	W		N	N	N	kg			
12	4	69	Short-time duty	≤ 14	≤ 70	4±1	0.11	1	A	0 330 001 004
12	1.3	14	Contin. duty	13	15	2.3±0.5	0.103	2	A	0 330 001 020
12	1.3	≤ 21	Contin. duty	≥ 8	≥ 11	2.3±0.5	0.074	3	A	0 330 001 040
12	15.3	277	Short-time duty	≤ 95	≤ 200	4.5±0.5	1.11	4	B	0 330 003 002
12	15.3	960/12.5 ⁴⁾	Contin. duty	≤ 110	≤ 270		1.1	5	C	0 330 003 007

¹⁾ With armature pulled in.

²⁾ Short-time duty, after 45 sec. of operation there should be a break of 4.5 min.

³⁾ At nominal voltage and winding temperature 23±5°C.

⁴⁾ Pull-in winding/Hold-in winding



Nominal voltage	Working stroke	Nominal wattage ¹⁾	Operating mode ²⁾	Forces Working stroke ³⁾	Forces With armature pulled in ³⁾	Forces Return spring	Weight	Fig.	Connection and circuit diagram	Part number
V	mm	W		N	N	N	kg			
24	4	75	Short-time duty	≤ 14	≤ 70	4±1	0.11	1	B	0 330 001 003
24	1.3	14	Contin. duty	13	15	2.3±0.5	0.103	2	A	0 330 001 021
24	1.3	≤ 21	Contin. duty	≤ 8	≤ 11	2.3±0.5	0.076	4	A	0 330 001 047
24	1.3	≤ 21	Contin. duty	≤ 8	≤ 11	2.2	0.094	5	C	0 330 001 048
24	15.3	274	Short-time duty	≤ 95	≤ 250	4.5±0.5	1.11	3	B	0 330 003 001
24	6	50	Short-time duty	≤ 24	≤ 80	4±1	0.44	6	B	0 330 004 005
24	1.8	14	Contin. duty	≤ 16	≤ V24	7.8±1	0.32	7	D	0 330 005 002

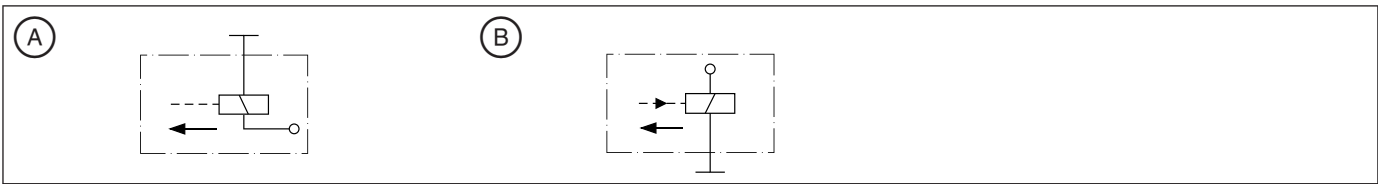
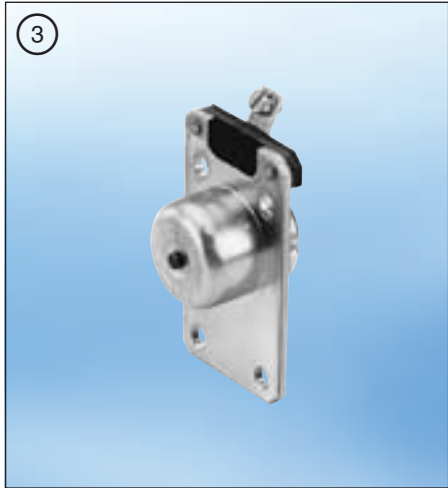
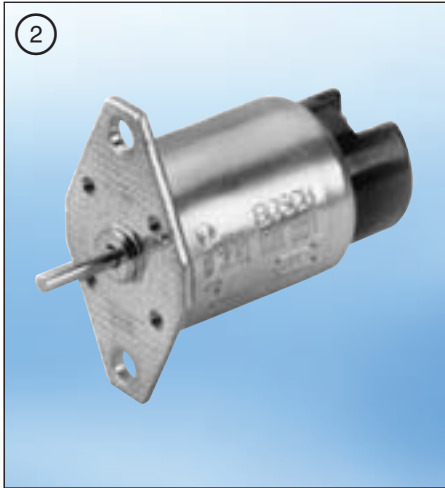
¹⁾ With armature pulled in.

²⁾ Short-time duty, after 45 sec. of operation there should be a break of 4.5 min.

³⁾ At nominal voltage and winding temperature 23±5°C.

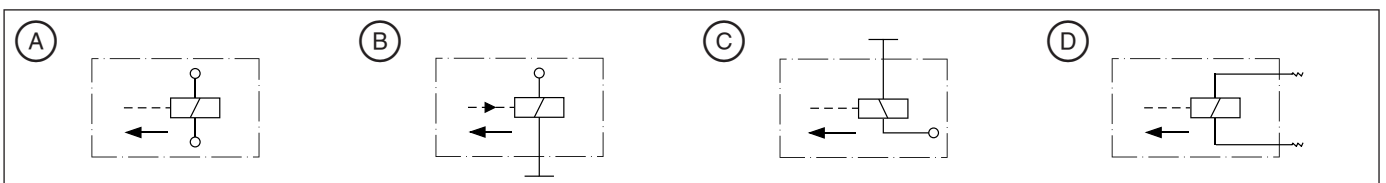
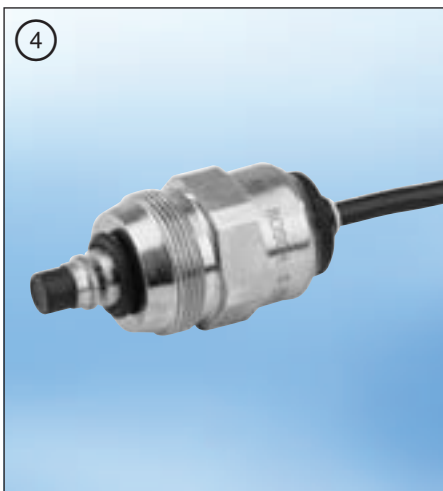
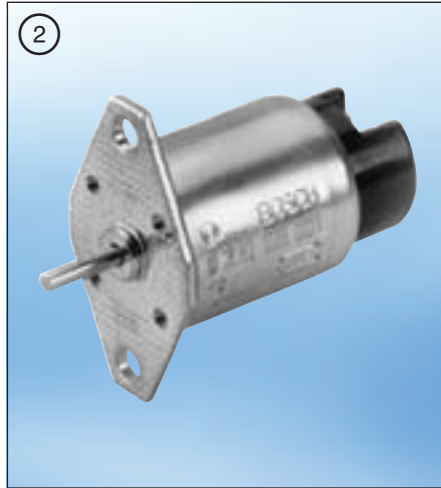
⁴⁾ Pull-in winding/Hold-in winding

Pushing electromagnets 12 V/24 V



Nominal voltage	Working stroke	Nominal wattage ¹⁾	Operating mode ²⁾	Forces Working stroke ³⁾	Forces With armature pulled in ³⁾	Forces Return spring	Weight	Fig.	Connection and circuit diagram	Part number
V	mm	W		N	N	N	kg			
12	7	137	Short-time duty	≤ 50	≤ 120		0.4	1	A	0 330 101 012
12	3	42.5	Short-time duty	≤ 12	≤ 60	0.9±0.2	0.14	2	B	0 330 106 001
12	2.6	42.5	Short-time duty	≤ 20	≤ 30		0.19	3	A	0 330 106 006
12	1	32	Short-time duty	≤ 12	≤ 12		0.088	4	A	0 330 106 010

¹⁾ With armature pulled in.
²⁾ Short-time duty, after 45 sec. of operation there should be a break of 4.5 min.
³⁾ At nominal voltage and winding temperature 23±5°C.



Nominal voltage	Working stroke	Nominal wattage ¹⁾	Operating mode ²⁾	Forces Working stroke ³⁾	Forces With armature pulled in ³⁾	Forces Return spring	Weight	Fig.	Connection and circuit diagram	Part number
V	mm	W		N	N	N	kg			
24	4.8	26.7	Short-time duty	≤ 32	≤ 100		0.6	1	A	0 330 100 022
24	7	152	Short-time duty	≤ 50	≤ 120		0.4	1	A	0 330 101 026
24	3	48	Short-time duty	≤ 12	≤ 60	0.9±0.2	0.14	2	B	0 330 106 003
24	1	26	Short-time duty	≤ 11	≤ 11		0.088	3	C	0 330 106 012
24	1	26	Short-time duty	≤ 11	≤ 11		0.094	4	D	0 330 106 017

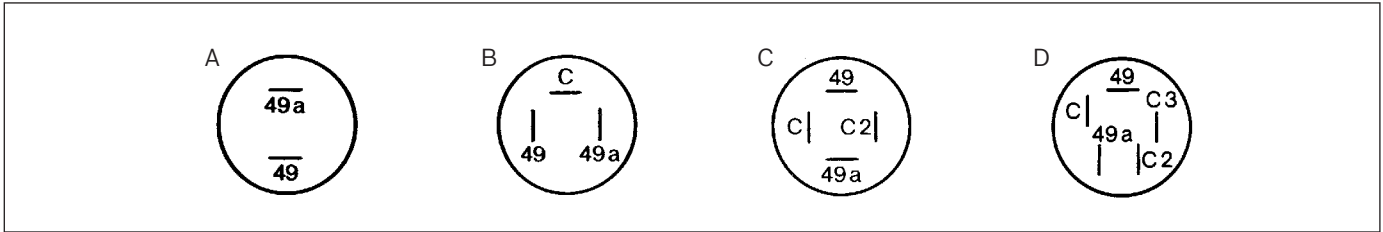
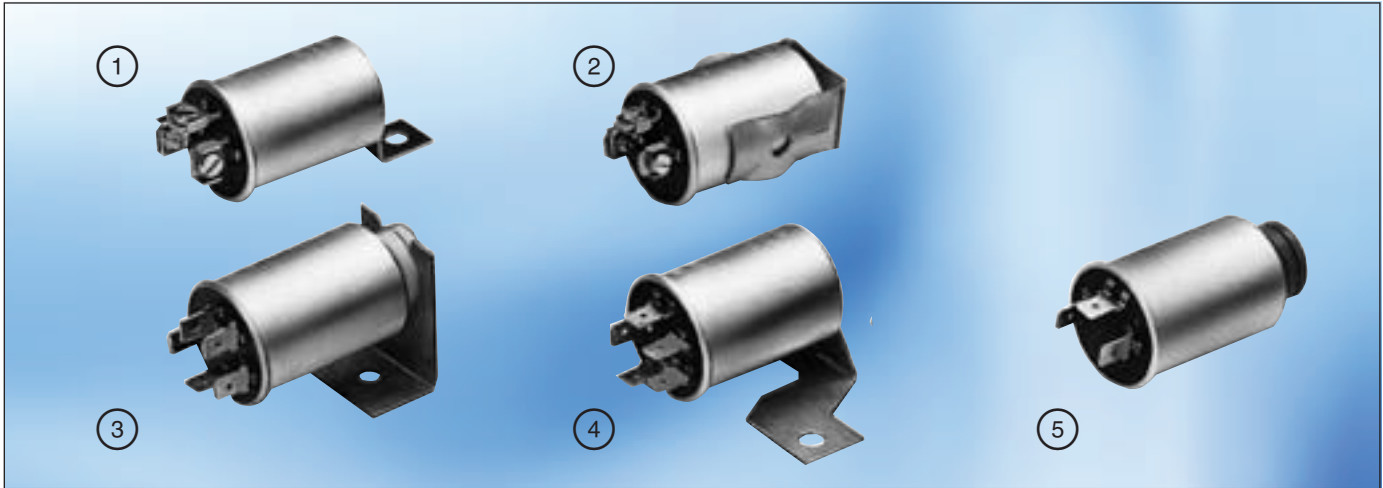
¹⁾ With armature pulled in.

²⁾ Short-time duty, after 45 sec. of operation there should be a break of 4.5 min.

³⁾ At nominal voltage and winding temperature 23±5°C.

Hot-wire flashers

Turn-signal flashing only



Load	Fastening	Connection	Fig.	Part number	Vehicle makes
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For passenger cars and motorcycles 6 V

For vehicles without trailer hitch					
1 x 15 W or 18 W	Bracket at top, 1 hole Ø 6.4 mm	Screw	1 A	0 336 101 004	–
2 x 18 W	Slide-on clip with hole Ø 6.4 mm	Screw/ Blade	2 B	0 336 203 006	Henschel (–67), KHD (–71), Mercedes-Benz (–67)
2 x 21 W	Bracket at top, rubber- mounted; 1 hole Ø 6.4 mm	Blade	5 B	0 336 206 003	Hercules, Kreidler, Zündapp

For passenger cars and motorcycles 12 V

For vehicles without trailer hitch					
2 x 21 W	Slide-on clip with hole Ø 6.4 mm	Blade	2 B	0 336 206 004	–



Load	Fastening	Connection	Fig.	Part number	Vehicle makes
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For commercial vehicles 12 V

For vehicles without trailer hitch

2 x 18 W	Slide-on clip with hole Ø 6.4 mm	Screw/blade	2 B	0 336 203 005	Epple-Buxbaumwerke, Irion, Steyr, Wartburg
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For vehicles with trailer hitch

2+ 1 x 18 W	Slide-on clip with hole Ø 6.4 mm	Screw/blade	2 C	0 336 200 049	Gutbrod, Hanomag-Henschel, KHD, MAN, Mercedes-Benz, Steyr, Volvo
2+ 1 x 21 W	Bracket at top, rubber-mounted; 1 hole Ø 6.4 mm	Blade	3 C	0 336 207 006	Henschel, Mercedes-Benz, Steyr
1+1+ 1 x 18 W	Bracket at top, rubber-mounted; 1 hole Ø 6.4 mm	Screw	3 C	0 336 200 033	Hako, Schilter AG, Volvo BM
2+1+ 1 x 18 W	Bracket at top, rubber-mounted; 1 hole Ø 6.4 mm	Blade	3 D	0 336 202 001	Deutz-Fahr, IH, John Deere, KHD, Lanz
2+1+ 1 x 21 W	Bracket at top, rubber-mounted; 1 hole Ø 6.4 mm	Blade	3 D	0 336 208 001	Agria, Agrifull, FIAT, Huerlimann, IH, John Deere, Lamborghini, Same

For commercial vehicles 24 V

For vehicles without trailer hitch

3 x 18 W	Bracket at top, 1 hole Ø 6.4 mm	Blade	1 B	0 336 200 047	FIAT, UNIC
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For vehicles with trailer hitch

2+ 1 x 18 W	Slide-on clip with hole Ø 6.4 mm		2 C	0 336 200 051	FIAT, UNIC
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Identification (Example)

of turn-signal-flasher load

2 + 1 + 1(8) x 21 W + 0-4 W

2	Number of turn-signal lamps per vehicle side on tractor vehicle
1	on first trailer
1	on second trailer
(8)	Total number of turn-signal lamps for hazard warning flashing (in brackets)
21 W	Power in watt per turn-signal lamp
0-4 W	Power in watt for indicator lamp or additional low power side turn-signal lamp if connected in parallel with main turn-signal lamps.

Turn-signal flasher

Thermally controlled electromagnetic flasher for turn-signal flashing only. The flasher is load-dependent; if the specified load is not observed, the flashing frequency changes.

Hazard-warning-signal flasher with switch

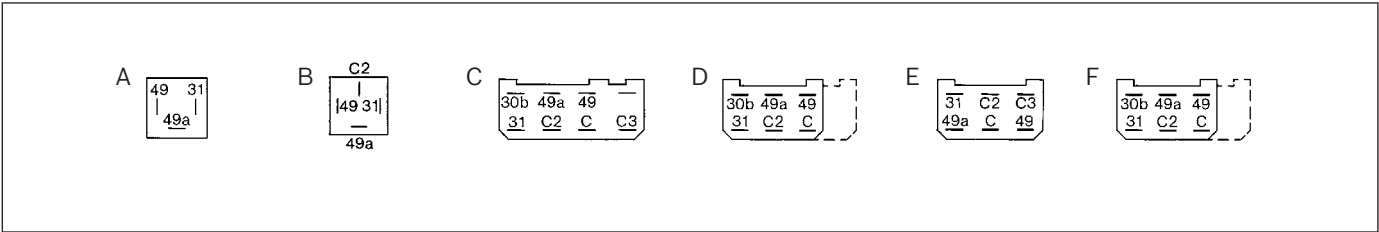
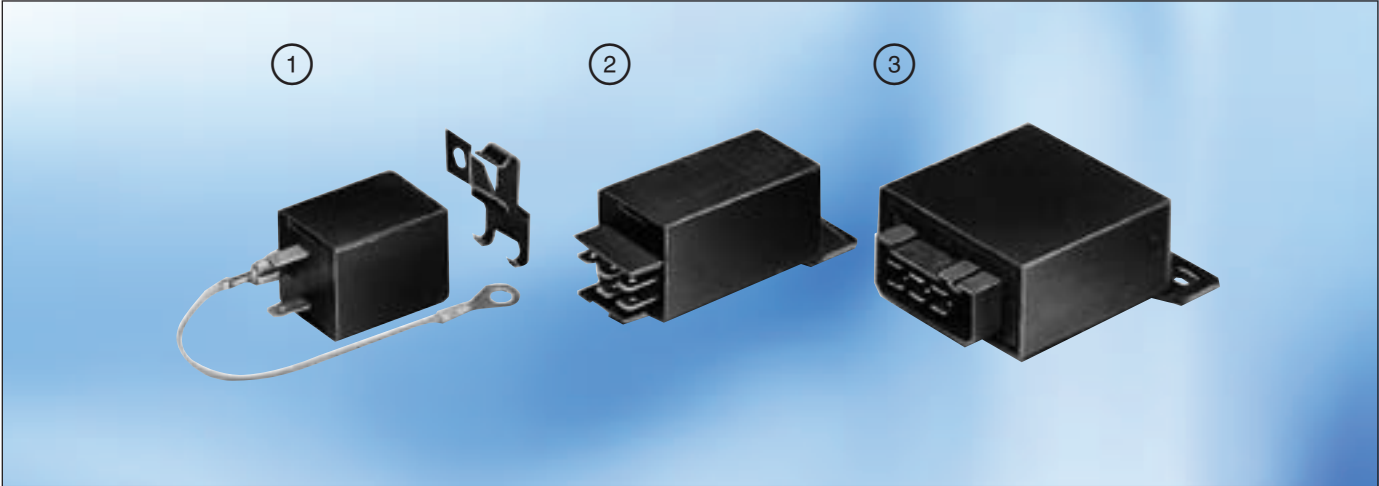
Thermally controlled electromagnetic flasher, only for hazard-warning flashing in single-circuit systems (circuit with turn signals at front and rear) or dual-circuit systems. (Circuit with turn-signal lamps at front and stop lamps at rear used for flashing).

Hazard-warning and turn-signal flasher

Electronic pulse generators for turn-signal and hazard-warning flashing, starting with on phase, with indicator lamp.

Electronic hazard-warning and turn-signal flashers

Turn-signal and hazard-warning flashing



Load	Fastening	Fig.	Part number	Vehicle makes ¹⁾
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For commercial vehicles 12 V

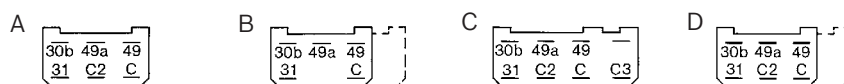
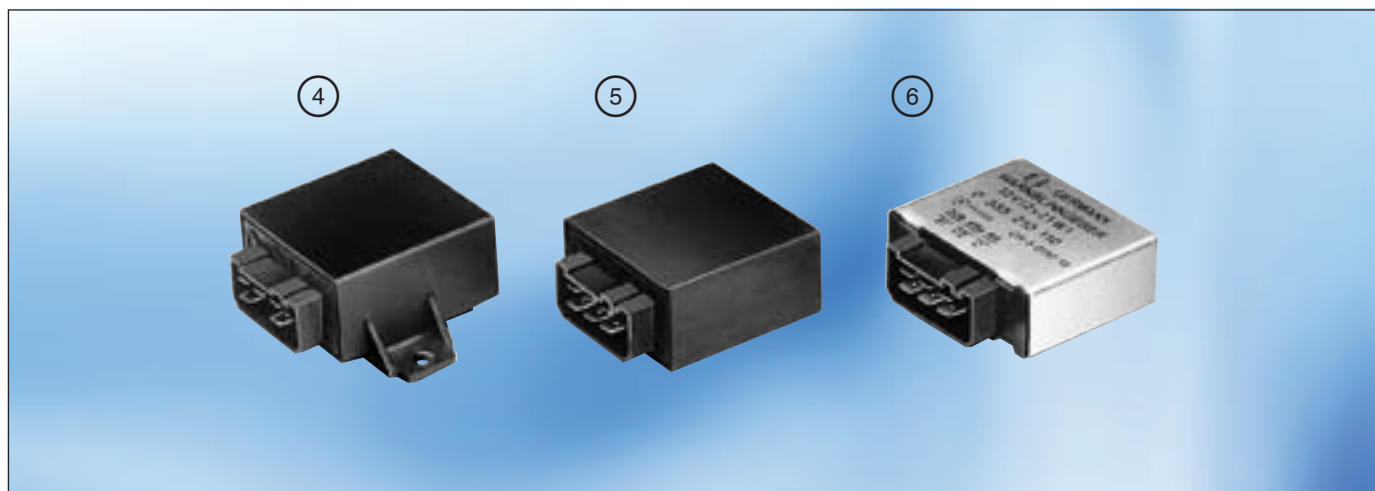
For vehicles without trailer hitch

2 (4)x 21 W+ 0-4 W	Haltekralle mit Loch-Ø 6,4 mm	1 A	0 335 200 038 ²⁾	Ford, Mercedes-Benz, Volvo, VW
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For vehicles with trailer hitch

2+ 1(6)x 21 W	Mounting claw with hole Ø 6.4 mm	1 B	0 335 200 041 ²⁾	Ford, Mercedes-Benz, Volvo, VW
	Bracket on both sides, 2 holes Ø 6.4 mm	4 F	0 335 210 143	IVECO, Magirus-Deutz, Mercedes-Benz, Volvo, DAF
			0 335 210 148 ³⁾	Mercedes-Benz
3+ 1(8)x 21 W	Bracket on both sides, 2 holes Ø 6.4 mm	4 D	0 335 210 153	-
2+1+ 1(8)x 18 W	Bracket on both sides, 2 holes Ø 6.4 mm	4 C	0 335 210 063	-
2+1+ 1(8)x 21 W	Bracket on both sides, 2 holes Ø 6.4 mm	4 F	0 335 210 164 ³⁾	-
2+1+ 1(8)x 21 W+ 1,2-2 W	Bracket at top, 1 hole Ø 6.4 mm	3 E	0 335 200 160	Huerlimann, John Deere, Lamborghini, Same, Schilter, Steyr

¹⁾ See application recommendations for vehicle models
²⁾ Ground cable supplied
³⁾ Increased immunity to interference



Load	Fastening	Fig.	Part number	Vehicle makes ¹⁾
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For commercial vehicles 24 V

For vehicles without trailer hitch

2(4)x 21 W+	Bracket at top, 3 holes Ø 6.4 mm	3 B	0 335 215 113	MAN
2-4 W	Bracket on both sides, 2 holes Ø 6.4 mm	4 B	0 335 215 114	VÖV-SGL-Busse
3(6)x 21 W+	Bracket at top, 3 holes Ø 6.4 mm	3 B	0 335 215 123	MAN
2-4 W				
4(8)x 21 W	Bracket on both sides, 2 holes Ø 6.4 mm	4 B	0 335 215 133 ²⁾	MAN, Mercedes-Benz
4(8)x 21 W+	Bracket on both sides, 2 holes Ø 6.4 mm	4 B	0 335 215 134 ²⁾	MAN
2-4 W				

For vehicles with trailer hitch

2+1(6)x 18 W	Bracket on both sides, 2 holes Ø 6.4 mm	4 D	0 335 215 043	MAN
2+1(6)x 21 W	Bracket on both sides, 2 holes Ø 6.4 mm	4 A	0 335 215 143	DAF, Kässbohrer, MAN Mercedes-Benz, Steyr, Volvo
2+1(6)x 21 W+	Bracket on both sides, 2 holes Ø 6.4 mm	4 A	0 335 215 145 ³⁾	Mercedes-Benz
1,2-2 W				
2+1(6)x 21 W+	Bracket on both sides, 2 holes Ø 6.4 mm	6 D	0 335 215 144	Renault
5 W (10 W)				
3+1(8)x 21 W	Bracket on both sides, 2 holes Ø 6.4 mm	4 D	0 335 215 154	Berna, Faun, Kaelble, Saurer, Steyr
3+1(8)x 21 W+	on plug-in base	5 A	0 335 215 155	Steyr, Volvo
2-4 W				
2+1+1(8)x 21 W	Bracket on both sides, 2 holes Ø 6.4 mm	4 C	0 335 215 164 ³⁾	Mercedes-Benz

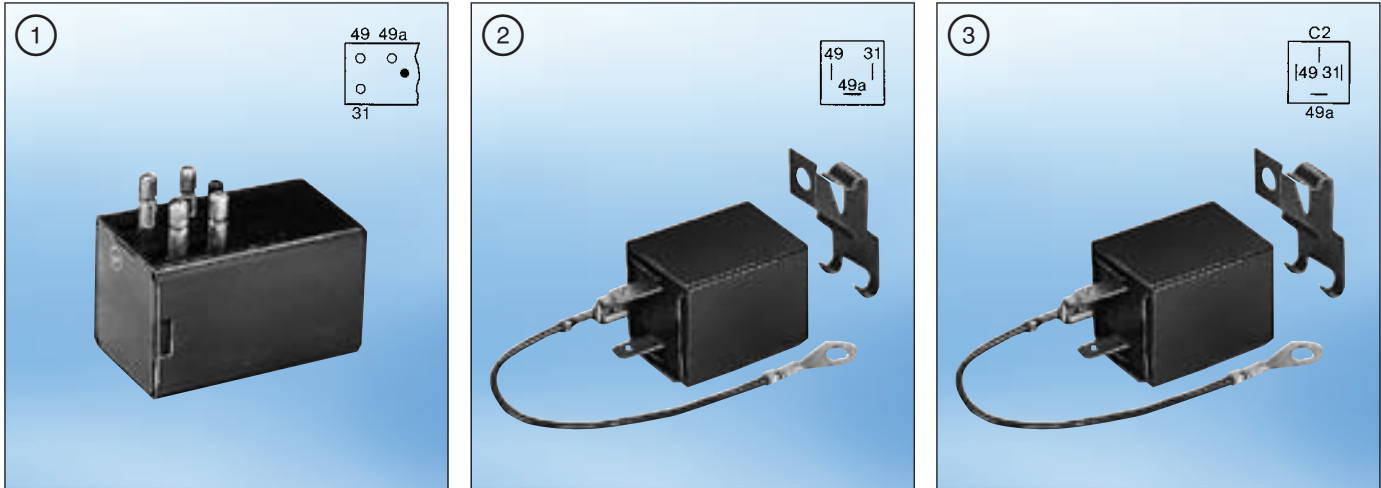
¹⁾ See application recommendations for vehicle models

²⁾ Ground cable supplied

³⁾ Increased immunity to interference

⁴⁾ With audible signal (ticker)

Electronic hazard-warning and turn-signal flashers (continued)



Load	Fastening	Fig.	Part number	Vehicle makes ¹⁾
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For passenger cars 12 V

For vehicles without trailer hitch

2(4) x 21 W + 2 W	on side of plug-in base	1	0 335 200 007	Mercedes-Benz
2(4) x 21 W + 0-4 W	Mounting claw with hole Ø 6.4 mm	2	0 335 200 038 ²⁾	Audi, BMW, Ford, Lada, Opel, Porsche, Vauxhall, Volvo, VW

For vehicles with trailer hitch

2+1(6)x 21 W	Mounting claw, 1 hole Ø 6.4 mm	3	0 335 200 041 ²⁾	Audi, BMW, Ford, Opel, Vauxhall, Volvo, VW
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¹⁾ See application recommendations for vehicle models

²⁾ Ground cable enclosed

Guaranteed full power.
100% silicone ignition cables from Bosch.

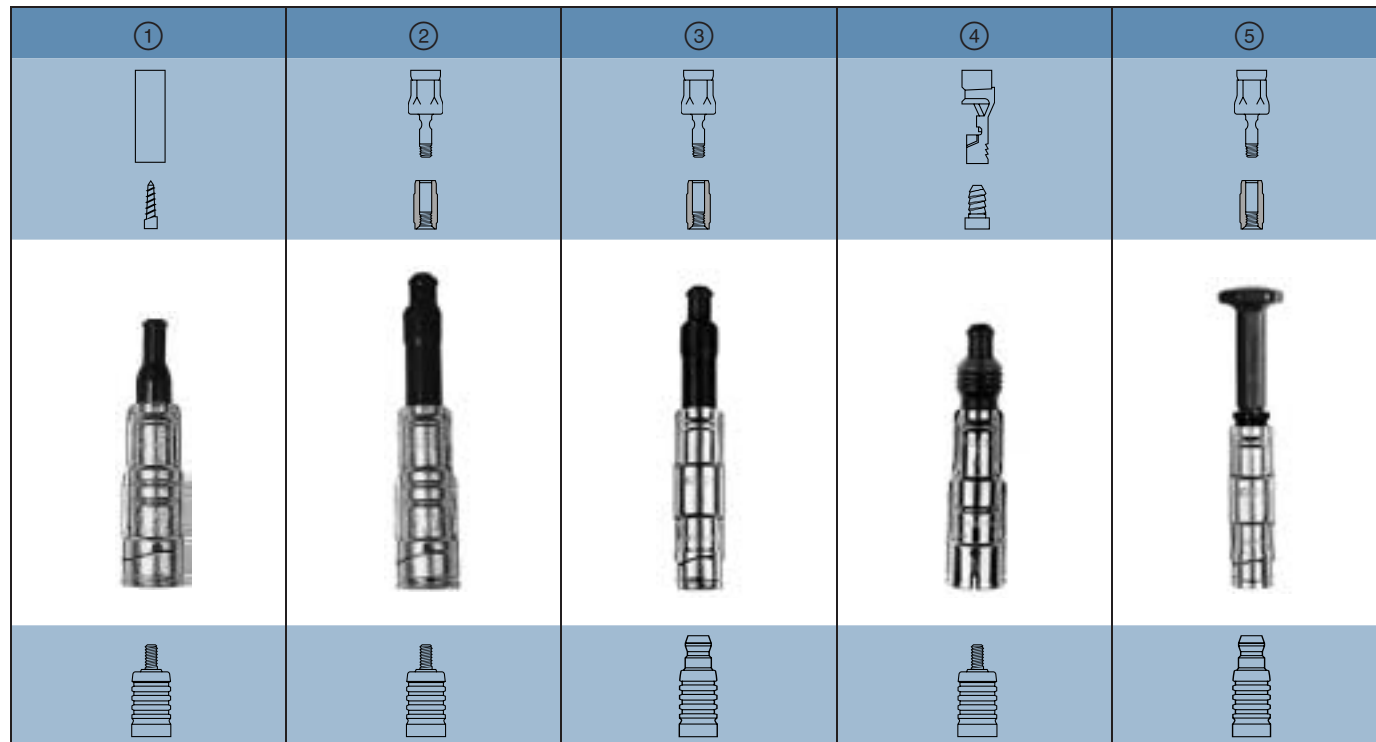


**Greatly extended range featuring
high-voltage ignition cables for a perfect fit**

- ▶ Bosch original equipment quality
- ▶ Outer ignition cable insulation made of 100% silicone, no PVC
- ▶ Resistant to extreme temperatures between -60 °C and above +200 °C
- ▶ Not susceptible to chemical and mechanical influences
- ▶ Outstanding interference suppression and insulation
- ▶ Protection of engine and catalytic converter

Spark-plug connectors

Interference-suppressed, partially screened



For ignition cable – 7 mm dia.

Fig.	Connections cable end/ spark plug	Spark plugs A/F ¹⁾	Length mm	Resistance kΩ	Material ²⁾	Characteristics	Splash guards	Part number	Application
1	Wood screw/ pin M4	21	105	1	UP/silicone	up to 120 °C	on both ends	0 356 301 022	Mercedes-Benz, general
2	Female thread M3/ pin M4	21	128	1	UP/silicone	up to 120 °C	on both ends	0 356 301 023	Mercedes-Benz, general
3	Female thread M3/ DIN (ISO)	16	130	1	UP/silicone	up to 150 °C	on both ends	0 356 301 028	Mercedes-Benz, general
4	Saw-tooth thread/ pin M4	21	118	5	UP/silicone	up to 150 °C	on both ends	0 356 301 036	Audi, VW, Volvo, general
5	Female thread M3/ DIN (ISO)	16	150	2	UP/silicone	up to 150 °C	plug end	0 356 351 053	Mercedes-Benz, general

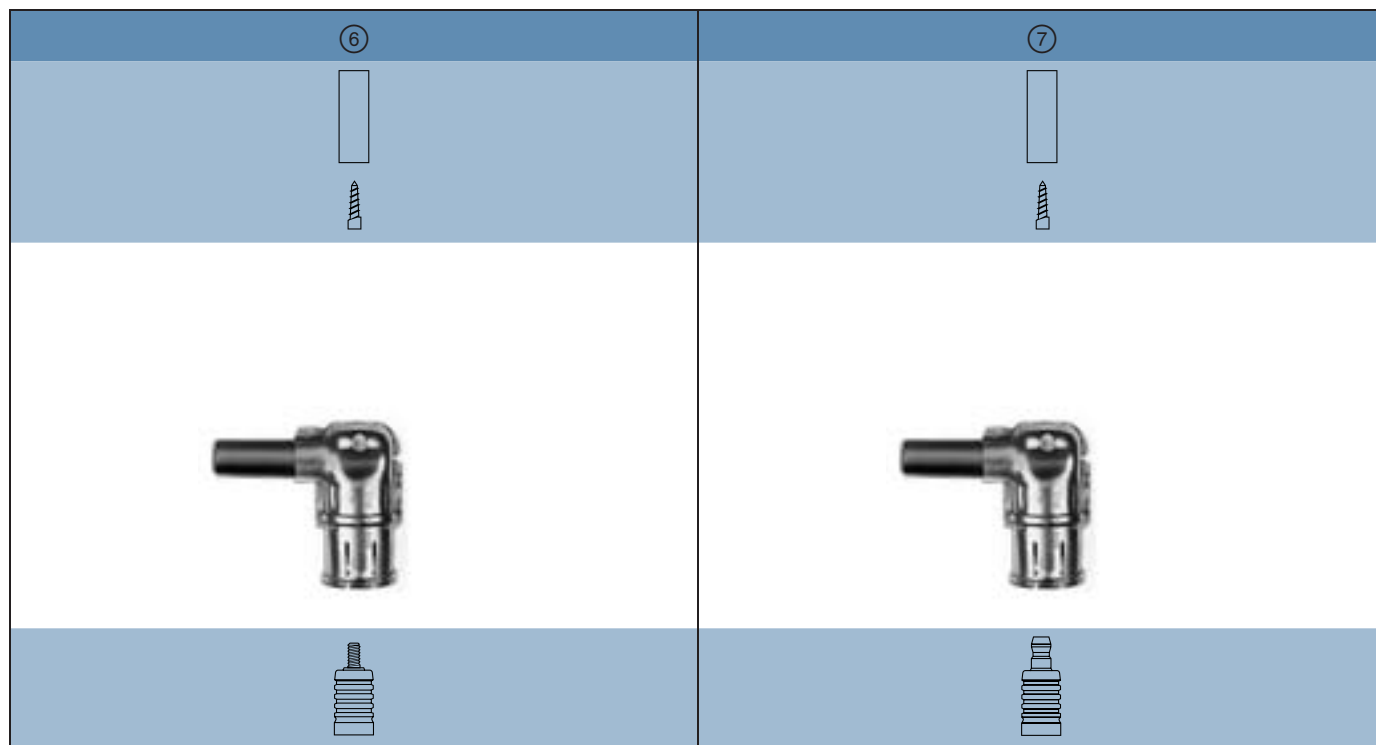
¹⁾ Width across flats

²⁾ PF polyester, UP bakelite

Special accessories (please order separately)

Ignition-cable conductor barrels

with thread M3	1 350 521 001
with thread M4	1 350 521 007



For ignition cable – 7 mm dia.

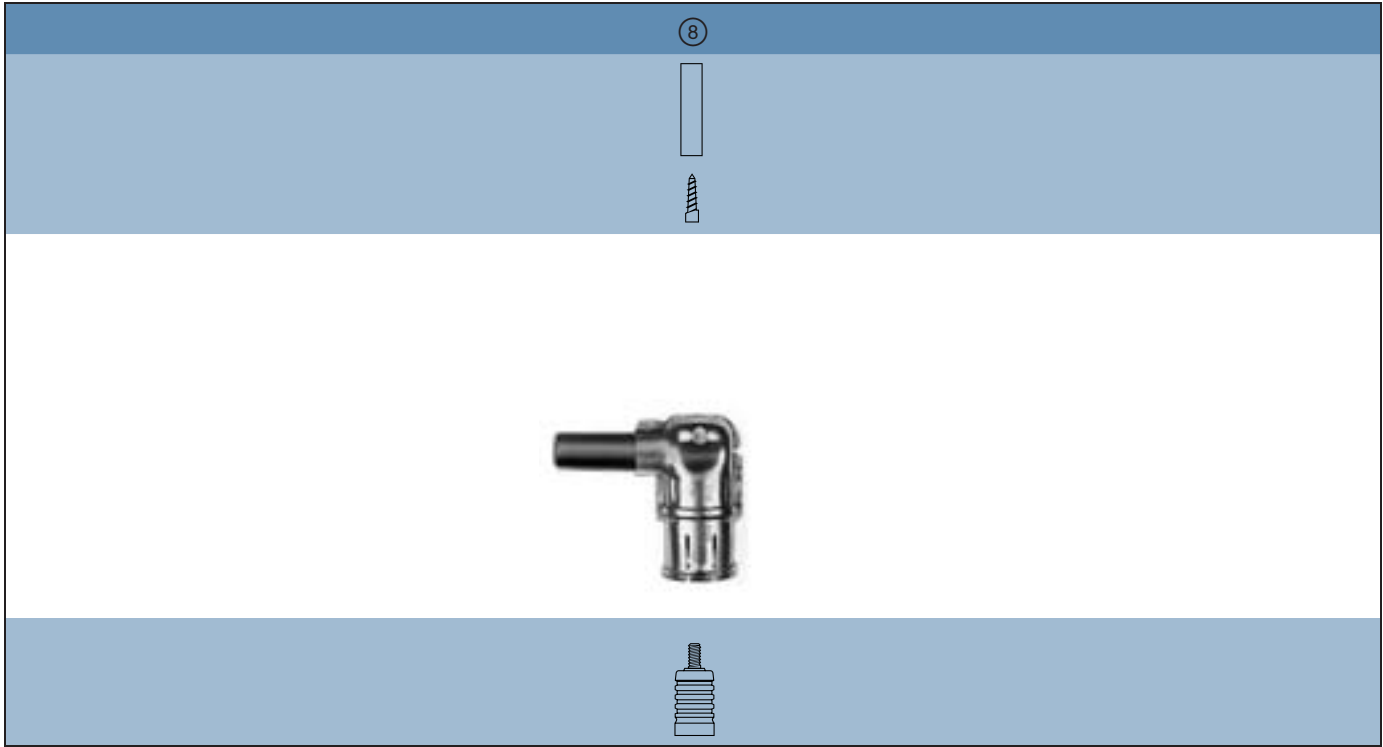
Fig.	Connections cable end/ spark plug	Spark plugs A/F ¹⁾	Length mm	Resistance kΩ	Material ²⁾	Characteristics	Splash guards	Part number	Application
6	Wood screw/ pin M4	21	42/48	1	UP	plug end with sealing ring, up to 120 °C	–	0 356 351 031	Motorcycles, equipment
				5	UP	up to 120 °C	–	0 356 351 026	Small engines, equipment
7	Wood screw/ DIN (ISO)	21	42/48	1	UP	plug end with sealing ring, up to 120 °C	–	0 356 351 032	Small engines, equipment
				5	UP	plug end with sealing ring, up to 120 °C	–	0 356 351 041	Piaggio, Vespa
		26	42/48	1	UP	plug end with sealing ring, up to 120 °C	–	0 356 351 033	Small engines, equipment

¹⁾ Width across flats ²⁾ PF polyester, UP bakelite ³⁾ Up to middle of diameter, spark plug / cable side ⁴⁾ See special accessories

Bosch tip:

If ISO nut is unscrewed from the spark plug, use can also be made of spark-plug connectors for M4 thread and vice versa.

Spark-plug connectors (continued)
Interference-suppressed, partially screened



For ignition cable – 5 mm dia.

Fig.	Connections cable end/ spark plug	Spark plugs A/F ¹⁾	Length mm	Resis- tance kΩ	Material ²⁾	Characteristics	Splash guards	Part number	Application
8	Wood screw/ pin M4	21	42/48	1	UP	up to 120 °C	–	0 356 351 024	Motorcycles

¹⁾ Width across flats

²⁾ UP bakelite

³⁾ Up to middle of diameter, spark plug / cable side

Special accessories (please order separately)

Ignition-cable conductor barrels	
with thread M3	1 350 521 001
with thread M4	1 350 521 007

Spark-plug connectors

Interference-suppressed

⑨	⑩	⑪	⑫	⑬	⑭
					
					
					

For ignition cable – 7 mm dia.

Fig.	Connections cable end/ spark plug	Spark plugs A/F ¹⁾	Length mm	Resistance kΩ	Material ²⁾	Characteristics	Splash guards	Part number	Application
9	Wood screw/ pin M4	21	52	–	PF	up to 120 °C	–	0 356 002 001	General
10	Wood screw/ DIN (ISO)	21	63	1	UP	up to 150 °C	–	0 356 100 021	General
				5	UP	up to 150 °C	–	0 356 100 006	Volvo, general
11	Wood screw/ pin M4	21	63	1	UP	up to 150 °C	–	0 356 100 014	Mercedes-Benz, VW, general
				5	UP	up to 150 °C	–	0 356 100 015	General
			109	1.4	UP	up to 150 °C	–	0 356 100 030	BMW, general
12	Saw-tooth thread/ pin M4	21	120	5	UP/silicone	up to 150 °C	on both ends	0 356 100 040	BMW, general
13	Female thread M3/ DIN (ISO)	16	140	2	UP/silicone	up to 150 °C	plug end	0 356 150 022	Mercedes-Benz
14	Wood screw/ pin M4	21	32/33	–	PF	up to 120 °C	–	0 356 050 001	General

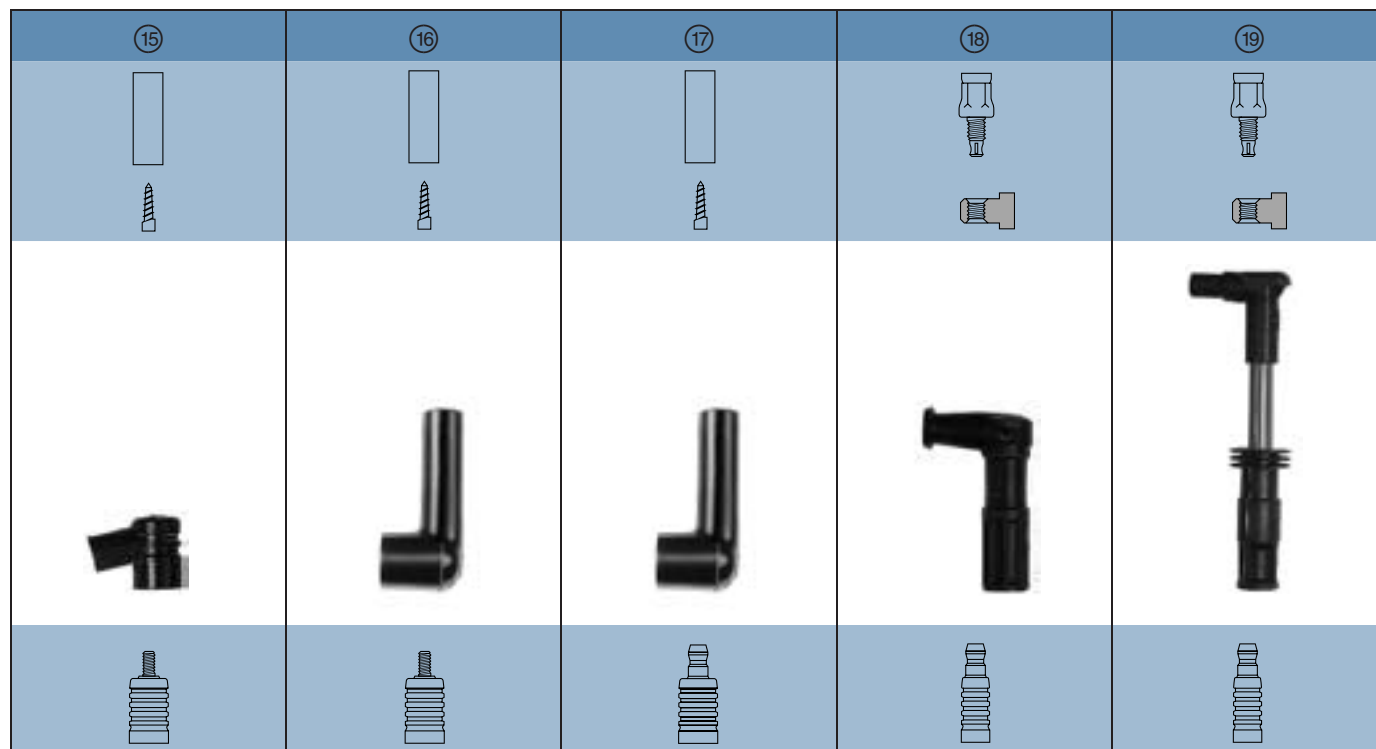
¹⁾ Width across flat

²⁾ PF polyester, UP bakelite, PPS polyphenylene sulfide

³⁾ Up to middle of diameter, spark plug / cable side

Spark-plug connectors (continued)

Interference-suppressed



For ignition cable – 7 mm dia.

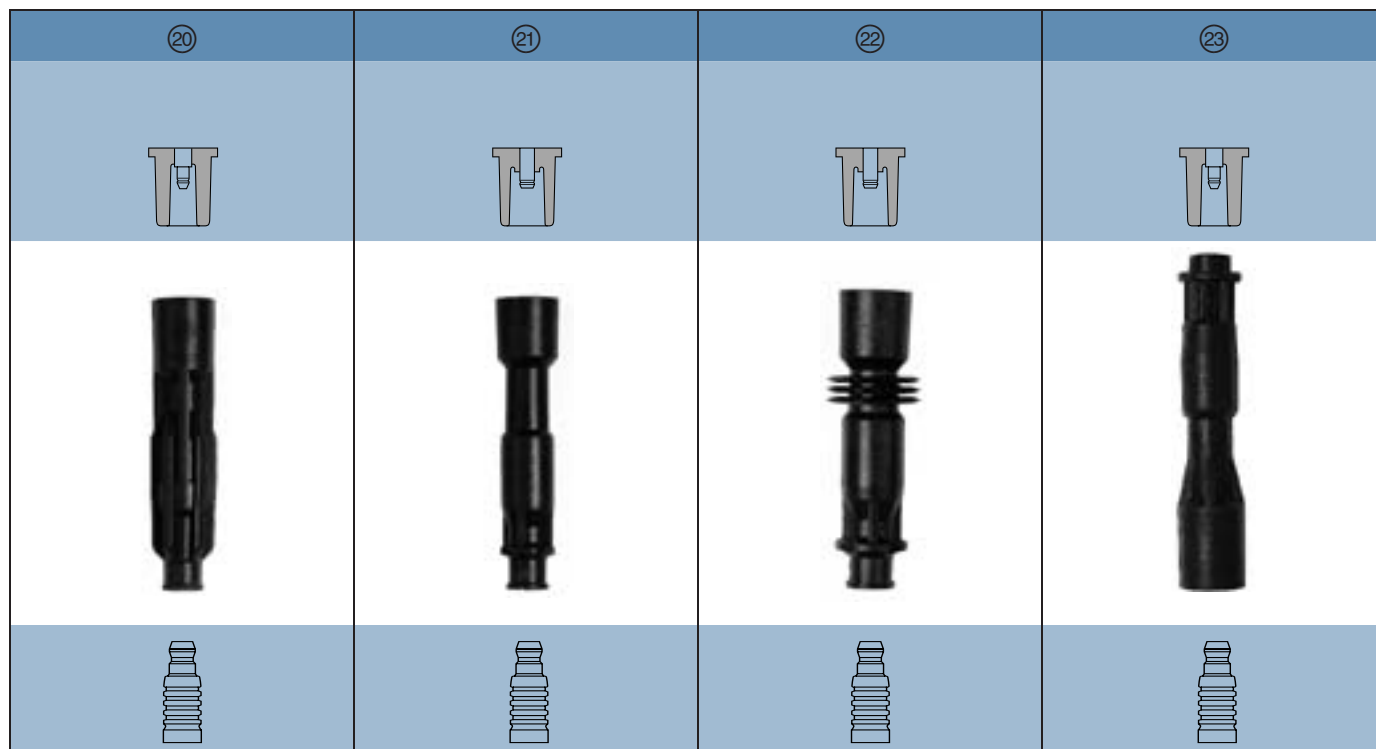
Fig.	Connections cable end/ spark plug	Spark plugs A/F ¹⁾	Length mm	Resistance kΩ	Material ²⁾	Characteristics	Splash guards	Part number	Application
15	Wood screw/ pin M4	21	24/23	–	Silicone	up to 200 °C	on both ends	0 356 050 010	Small engines
						like ..010, but with for ignition cable 5 mm dia.	on both ends	0 356 050 009	
16	Wood screw/ pin M4	21	50/21	1.4	PF	up to 120 °C	–	0 356 150 005	General
17	Wood screw/ DIN (ISO)	21	50/21	1.4	PF	up to 120 °C	–	0 356 150 007	General
18	Female thread M4/DIN (ISO)	16	67/35	5	UP/silicone	up to 150 °C	on both ends	1 354 489 095	Fiat
19	Female thread M4/DIN (ISO)	16	149/35	2	UP/silicone	up to 150 °C	on both ends	1 354 490 019	Alfa Romeo

¹⁾ Width across flats ²⁾ PF polyester, UP bakelite ³⁾ Up to middle of diameter, spark plug / cable side

Special accessories (please order separately)

Ignition-cable conductor barrels

with thread M3	1 350 521 001
with thread M4	1 350 521 007



Plug connectors for installation between ignition-module coil and spark plug

Fig.	Connections cable end/ spark plug	Spark plugs A/F ¹⁾	Length mm	Resis- tance kΩ	Material ²⁾	Characteristics	Splash guards	Part number	Application
20	Detent pin 4 mm dia./ DIN (ISO)	16	114	2	UP/silicone	up to 150 °C	on both ends	0 356 100 100	Mercedes-Benz
21	Detent pin 5 mm dia./ DIN (ISO)	16	109	2	UP/silicone	up to 150 °C	on both ends	0 356 100 104	Audi
22	Detent pin 5 mm dia./ DIN (ISO)	16	100	2	UP/silicone	up to 150 °C	on both ends	0 356 100 107	Alfa Romeo
23	Detent pin 4 mm dia./ DIN (ISO)	16	121	1	UP/silicone	up to 150 °C	on both ends	1 354 489 085	BMW

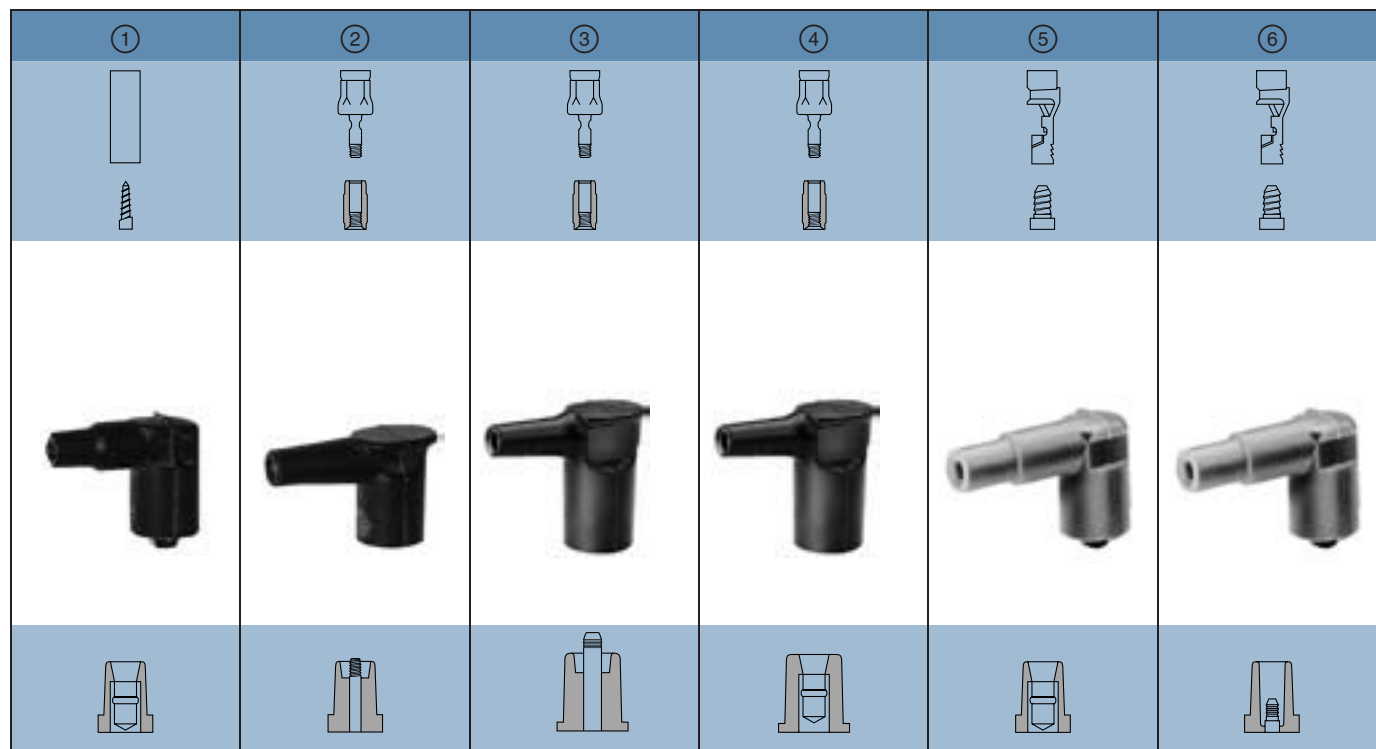
¹⁾ Width across flats

²⁾ UP bakelite

³⁾ Up to middle of diameter, spark plug / cable side

Ignition-coil connectors/Ignition-distributor connectors

Interference-suppressed



For ignition cable – 7 mm dia.

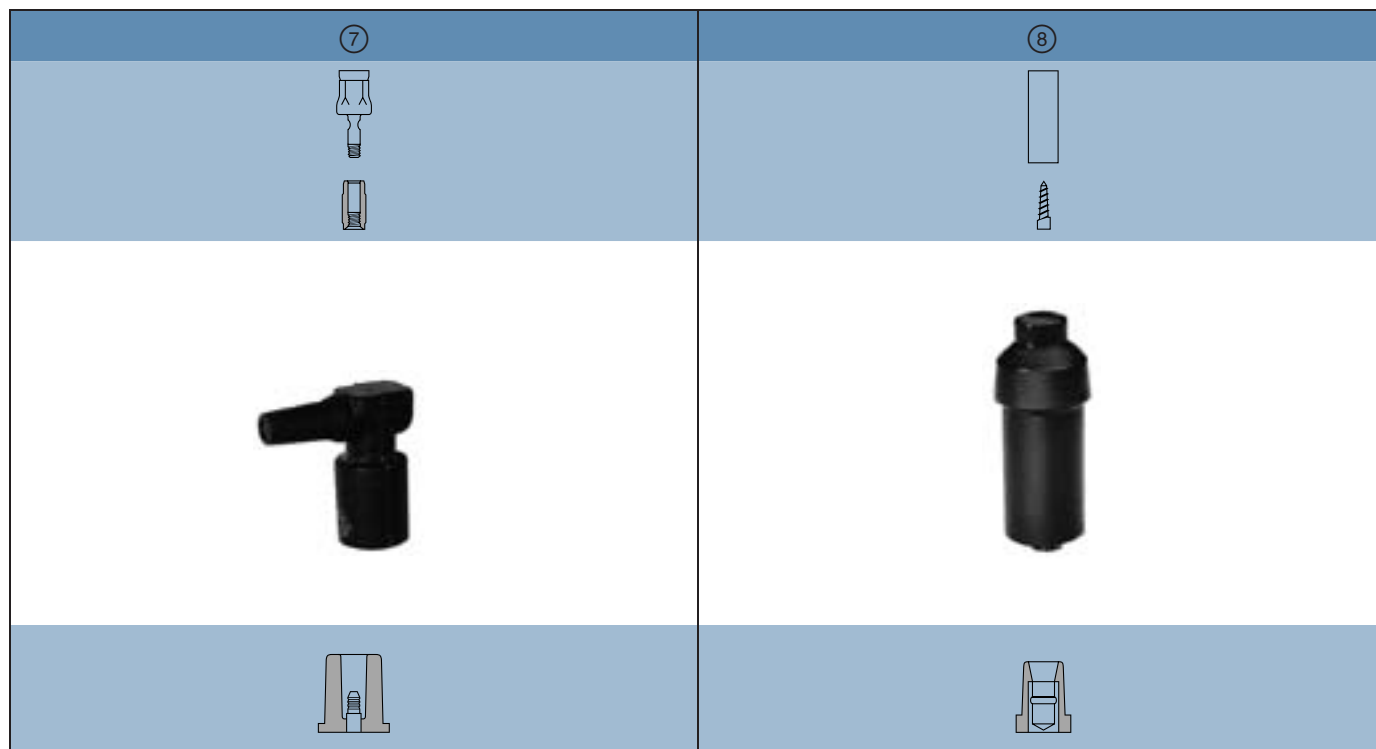
Fig.	Connections cable end/ignition coil, ign. distributor	Length ¹⁾ mm	Resistance kΩ	Material	Characteristics	Splash guards	Part number	Application
1	Wood screw/ DIN (ISO)	30/23	1	Silicone	for 27 kV domes, up to 120 °C	on both ends	0 356 250 019	Audi, BMW, VW, general
2	Female thread M3/pin M4	24/37	–	Silicone	for 27 kV domes, up to 120 °C	on both ends	0 356 250 024	Mercedes-Benz
3	Female thread M3/detent pin 6.4 mm dia.	37/37	–	Silicone	for 30 kV domes, up to 120 °C	on both ends	0 356 250 027	Mercedes-Benz, Porsche
4	Female thread M3/DIN (ISO)	42/37	–	Silicone	for 30 kV domes, up to 120 °C	on both ends	0 356 250 029	Mercedes-Benz, Porsche
5	Saw-tooth thread/ DIN (ISO)	30/41	1	Silicone	for 27 kV domes, up to 120 °C	on both ends	0 356 250 031	Audi, BMW, VW
6	Saw-tooth thread/ detent pin 4 mm dia.	29/41	1	Silicone	for 27 kV domes, up to 120 °C	on both ends	0 356 250 033	Alfa Romeo, Audi, BMW, VW

¹⁾ Up to middle of diameter on each connector side

Special accessories (please order separately)

Ignition-cable conductor barrels

with thread M3	1 350 521 001
with thread M4	1 350 521 007



For ignition cable – 7 mm dia.

Fig.	Connections cable end/ignition coil, ign. distributor	Length ¹⁾ mm	Resistance kΩ	Material	Characteristics	Splash guards	Part number	Application
7	Female thread M3/ detent pin 4 mm dia.	43/38	1	Silicone	for 30 kV domes, up to 120°C	on both ends	0 356 250 035	Mercedes-Benz
8	Wood screw/ DIN (ISO)	54	1	PVC	for 27 kV domes, up to 120°C	on both ends	0 356 200 006	VW, general

¹⁾ Up to middle of diameter on each connector side

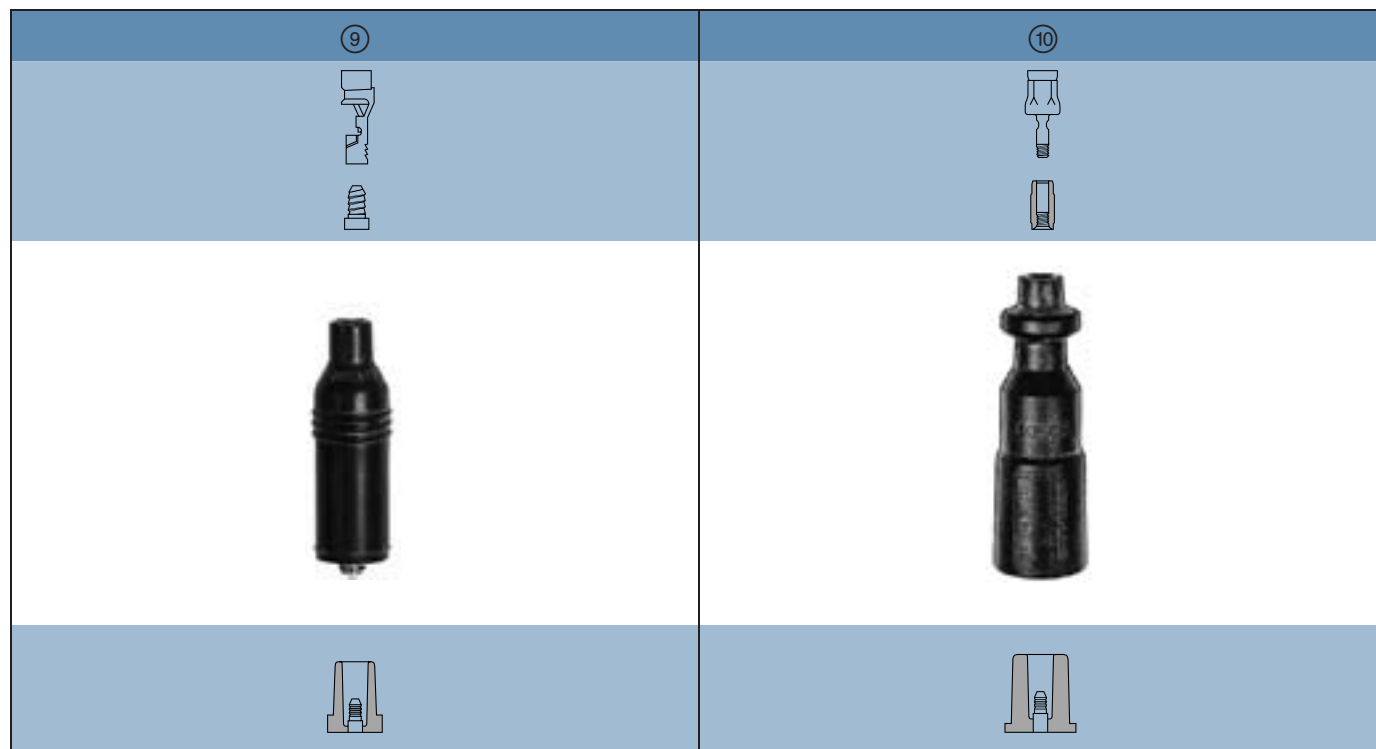
Ignition-coil connectors/Ignition-distributor connectors (continued)
Interference-suppressed

For ignition cable – 7 mm dia.

Fig.	Connections cable end/ignition coil, ign. distributor	Length ¹⁾ mm	Resistance kΩ	Material	Characteristics	Splash guards	Part number	Application
9	Saw-tooth thread/ detent pin 4 mm dia.	68	1	Silicone	for 27 kV domes, up to 120 °C	on both ends	0 356 200 013	Audi, VW, general
10	Female thread M3/ detent pin 4 mm dia.	73	–	Silicone	for 30 kV domes, up to 120 °C	on both ends	0 356 200 015	Mercedes-Benz

¹⁾ CR neoprene

Special accessories (please order separately)

Ignition-cable conductor barrels

with thread M3	1 350 521 001
with thread M4	1 350 521 007



Copper-core ignition cables, unscreened

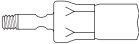
① ... ③ By the meter

Fig.	Ignition cable dia. mm	Conductor cross-section mm²	Version	Part number 50 m in cardboard box
1	5	1	Black PVC	6 181 190 100
	7	1	Black PVC	6 181 090 100
2	7	1	Black/Hypalon, low capacity, heat-resistant to 150 °C	6 180 190 100
3	7	1	Transparent PVC	6 181 001 100
			Black silicone	5 956 569 015
			Red silicone	5 956 563 015

Ignition-cable conductor barrels

For Ø 7 mm ignition cables, conductor cross-section 0.5...1 mm².

The connection hardware between plug and ignition cable is packed in plastic boxes.

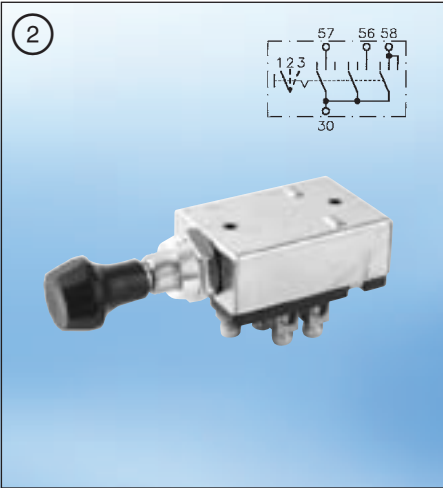
Connection Fig.	Qty. per pack	Part number
M 3 	50	1 350 521 001
M 4 	50	1 350 521 007

Accessories for vehicle heaters

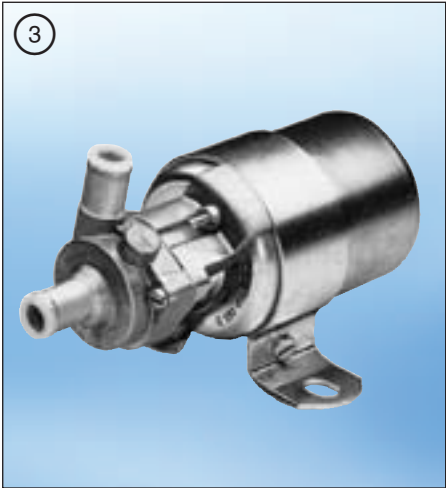
For with water-cooled engines vehicles



1 Water cock for pipe connection
(Quantity required: 2)
1 147 415 000



2 Pull switch, multi-position switch.
Ivory-colored switch knob.
Load: 100 W 24 V.
Switch positions: 1 off, 2 blower stage I,
3 blower stage II.
Fastening: With M 10 x 1 round nut.
Installation: Ø 10.5 mm. Wall thickness
up to 2 mm.
Connection: screw terminals.
0 986 340 120



3 Electric water pump
(without fastening materials)
Application for heating systems in construction
machines etc. with thermosiphon cooling. Water
connection Ø 14 mm.
24 V **0 392 020 027**
Fastening materials
for electric water pump
Spring washer Ø 5 mm **2 916 699 131**
Hexagon nut M 5 **2 915 011 006**

Part-number overview

(complete)



0 189 ...

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0 189 999 07M	A101
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Lined area for notes or information.

de

Verwendung

en

Applications

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Affectations

it

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Aplicación

Benutzerhinweise

In diesem Katalog sind die Daten von Fahrzeugen, Motoren und Geräten für den europäischen Markt von Baujahr 1994 bis einschließlich 2015 erfasst. Diese wurden aus Hersteller- und Importeurangaben, aus Fahrzeuguntersuchungen sowie aus Unterlagen von Bosch nach bestem Wissen sorgfältig zusammengestellt und geben den Stand zum Zeitpunkt der Drucklegung wieder.

Zwangsläufige Abweichungen durch länderspezifische technische Änderungen können nie ganz ausgeschlossen werden. Bosch kann daher insoweit nicht für die Vollständigkeit und Fehlerfreiheit der Daten haften. Für Irrtümer und Druckfehler, die zu Schäden am Eigentum oder Vermögen führen, haftet Bosch nur bei grob fahrlässiger Pflichtverletzung und bei Vorsatz für unmittelbare Schäden. Bei Personenschäden haftet Bosch auch bei leichter Fahrlässigkeit.

Notes for users

This catalog contains the data from the vehicles, engines, and equipment for the European market from year of manufacture 1994 up to and including the year 2015. This data has been assembled from information provided by manufacturers and importers, and taken from Bosch documentation, as well as from investigations made on vehicles. It has been compiled to the best of our knowledge and belief, and reflects the status at the date of going to print.

It is impossible to avoid deviations caused by technical changes resulting from the conditions and regulations applying in a particular country. Bosch can therefore accept no liability for the completeness and faultlessness of the data. In case of mistakes and misprints which result in damage to property or assets, Bosch is only liable for immediate damages insofar as a gross breach of duty or wrongful intent apply. If personal injury is involved, Bosch is liable also in case of ordinary negligence.

A l'attention de l'utilisateur

Le présent catalogue mentionne les données spécifiques de véhicules, moteurs et appareils pour le marché européen depuis l'année de fabrication 1994 jusqu'au millésime 2015 inclus. Ces informations ont été rassemblées soigneusement et en toute impartialité à partir des indications des constructeurs et importateurs, des contrôles techniques des véhicules et de la documentation Bosch, et matérialisent le stade des connaissances au moment de la mise sous presse.

Des écarts inévitables ne peuvent jamais être complètement exclus en raison des différences spécifiques à chaque pays. Bosch ne peut donc pas à cet égard être tenu responsable de l'exactitude des données. Pour des erreurs et fautes d'impression, qui causeraient des dégâts matériels, Bosch est responsable seulement en cas de violation de ses obligations par faute lourde intentionnelle en ce qui concerne les dommages matériels. En cas de dommages corporels, Bosch peut être également tenu pour responsable dans les cas de faute légère.

Avvertenze per la consultazione

Nella seguente parte di catalogo sono contemplati veicoli, motori ed apparecchi a partire dall'anno di costruzione 1994 fino all'anno 2015. Tali informazioni sono state rilevate dalle documentazioni di Case Auto, Importatori, da verifiche eseguite sui veicoli, così come da documentazione Bosch.

Eventuali discordanze dovute a specifiche esigenze del Paese e variazioni tecniche non possono essere previste. Per questo Bosch non si assume alcuna responsabilità per mancanze ed eventuali errori riferite ai dati. Per danni a cose o danni patrimoniali, dovuti ad errori o refusi di stampa, Bosch è responsabile solo in caso di dolo o colpa grave. Per danni alla persona, Bosch è responsabile anche in caso di colpa meno grave.

Instrucciones para el usuario

Los datos de este catálogo para vehículos, motores y utensilios del mercado europeo comprenden los años de construcción desde 1994 hasta 2015 inclusive. Éstos son creados para la edición indicada sobre la base de documentos de Bosch, exámenes o inspecciones de vehículos así como datos de fabricantes e importadores.

Las diferentes especificaciones técnicas propias de cada país nunca pueden ser excluidas completamente. Por lo tanto, Bosch en este aspecto, no puede ser responsable de la absoluta exactitud de los datos. En el caso de errores, incluidos los de imprenta, que generen daños ó pérdidas de la propiedad o posesiones, Bosch es responsable únicamente en los casos de violación negligente de sus obligaciones y en el supuesto de intención o dolo para el daño directo. Bosch está también obligado a responder en casos de injurias personales por negligencia.



ALFA ROMEO

GT						
1.8	1,8	103-106	AR32205 <M1>	10.03-12.10	NKE,RBE	
GTV						
1.8	1,8	106	AR 32201 <M1>	05.98-12.00	NKE,RBE	
2.0	2,0	110	AR 32310 <M6>	08.00-12.05	NKE,RBE	
		110/114	AR 16201 <M1>; AR 32301 <M2>	04.95-07.00	NKE,RBE	
Spider						
1.8	1,8	106	AR 32201 <M1>	05.98-07.00	NKE,RBE	
2.0	2,0	110	AR 32310 <M6>	08.00-02.06	NKE,RBE	
		110/114	AR 16201 <M1>; AR 32301 <M2>	04.95-07.00	NKE,RBE	
145						
1.3	1,3	68	AR 33501 MPI-Weber <M1>	04.94-11.96	0 986 356 856	B 856
1.4	1,4	76	AR 33503 <M1>	11.96-02.99	NKE,RBE	
				02.99-12.00	NKE,RBE	
1.6	1,6	78	AR 33201 MPI-Roch. <M2>	01.95-11.96	0 986 357 269	B W269
		82	AR 32102 <M6>	02.99-12.00	NKE,RBE	
		88	AR 67601 <M2>	11.96-02.99	NKE,RBE	
			AR 67601 <M5>	02.99-12.00	NKE,RBE	
1.8	1,8	103	AR 32201 <M10>; AR 32201 <M11>; AR 67106 <M3>	11.96-12.00	NKE,RBE	
2.0	2,0	110/114	AR 32301 <M12>; AR 32301 <M15>; AR 67204 <M4>; AR 67299 <M5>	10.94-12.00	NKE,RBE	
146						
1.3	1,3	68	AR 33501 MPI-Weber <U2 M1>	12.94-11.96	0 986 356 856	B 856
1.4	1,4	76	AR 33503 <M1>	11.96-12.00	NKE,RBE	
1.6	1,6	76-78	AR 33201 MPI-Roch. <U2 M2>	05.95-11.96	0 986 357 269	B W269
		82	AR 32102 <W4 M6>	02.99-12.00	NKE,RBE	
		88	AR 67601 <M2>; AR 67601 <W4 M5>	11.96-12.00	NKE,RBE	
1.8	1,8	103	AR 32201 <M10>; AR 32201 <M11>; AR 67106 <M3>	11.96-12.00	NKE,RBE	
2.0	2,0	110	AR 32301 <M12>; AR 32301 <M15>; AR 67204 <M4>	10.95-12.00	NKE,RBE	
147						
1.6	1,6	77/88	AR 32104 <M5>; AR 37203 <M1>	11.00-12.10	NKE,RBE	
2.0	2,0	110	AR 32310 <M10>	11.00-12.10	NKE,RBE	
155						
1.6	1,6	85	AR 67601 <M1>	05.96-10.97	NKE,RBE	
1.8	1,8	100	AR 67106 <M2>	05.96-10.97	NKE,RBE	
2.0	2,0	110	AR 67204 <M3>; AR 67204 <M4>	03.95-10.97	NKE,RBE	
156						
1.6	1,6	82	AR32102 <M7>	04.98-09.00	NKE,RBE	
		88	AR32103 <M2>; AR32103 <M11>; AR32104 CF3 <M10>; AR32104 <M1>; AR32104 <M10>	09.00-12.05	NKE,RBE	
			AR67601 CF2 <M1>; AR67601 <M1>	10.97-09.00	NKE,RBE	
1.8	1,8	103/106	AR32205 CF3 <M15>; AR32205 <M5>; AR32205 <M15>	09.00-12.05	NKE,RBE	
		106	AR 32201 <M2>	10.97-09.00	NKE,RBE	
2.0	2,0	110	AR 32310 <M11>; AR 32310 <M20>	09.00-10.05	NKE,RBE	
		114	AR 32301 <M3>	10.97-09.00	NKE,RBE	
166						
2.0	2,0	110	AR 36301 <M2>	09.00-10.07	NKE,RBE	
		114	AR 34103 <M1>	10.98-09.00	NKE,RBE	

AUDI

A2 (8Z0)						
1.4	1,4	55	AUA	09.99-04.02		0 986 356 308 B 308
A3 (8L1,8P1,8P7,8PA)						
1.6	1,6	74	AEH; AKL; APF	09.96-06.01		0 986 356 359 B 359
		75	AVU; BFQ; BGU; BSE <MW6>; BSF <MW6>; CCSA <MW6>; CMXA <MW6>	05.00-03.13		0 986 356 346 B 346
1.8	1,8	92	AGN	08.98-06.99		0 986 356 337 B 337
			Fg.-Nr. →8L..V..140 000	09.96-06.97		0 986 356 305 B 305
			Fg.-Nr. 8L..V..140 001→	06.97-06.03		0 986 356 337 B 337
			APG	08.98-04.03		0 986 356 337 B 337



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ALFA ROMEO

GT

0 356 912 981 0 356 912 981 0 356 912 981 0 356 912 981

GTV

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

0 356 912 981 0 356 912 981 0 356 912 981 0 356 912 981

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

Spider

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

0 356 912 981 0 356 912 981 0 356 912 981 0 356 912 981

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

145

0 356 912 860 0 356 912 862 0 356 912 862 0 356 912 860

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

0 356 912 860 0 356 912 862 0 356 912 862 0 356 912 860

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

146

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

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0 356 912 981 0 356 912 981 0 356 912 981 0 356 912 981

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155

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

156

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

0 356 912 981 0 356 912 981 0 356 912 981 0 356 912 981

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

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0 356 912 981 0 356 912 981 0 356 912 981 0 356 912 981

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

166

0 356 912 981 0 356 912 981 0 356 912 981 0 356 912 981

0 356 912 977 0 356 912 978 0 356 912 978 0 356 912 977

AUDI

A2 (820)

0 986 357 726 0 986 357 726 0 986 357 725 0 986 357 724

A3 (8L1,8P1,8P7,8PA)

0 986 357 741 0 986 357 741 0 986 357 740 0 986 357 739

0 986 357 732 0 986 357 732 0 986 357 730 0 986 357 729

0 986 357 727 0 986 357 727 0 986 357 727

0 986 357 727 0 986 357 727 0 986 357 727

0 986 357 727 0 986 357 727 0 986 357 727



◀ AUDI

A3 (8V1,8V7,8VA,8VS)

1.6	1,6	75	BSE <MW6>	09.08-05.10	0 986 356 346	B 346
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A4 (B5)

1.6	1,6	74	ADP	11.94-10.96	0 986 356 304	B 304
			AHL	10.96-07.99	0 986 356 359	B 359
			ANA	08.98-07.99	0 986 356 359	B 359
			Fg.-Nr. →8D-Y 160 000	08.98-02.00	0 986 356 359	B 359
			Fg.-Nr. 8D-Y 160 000→	02.00-06.00	0 986 356 359	B 359
			ARM	08.98-07.99	0 986 356 359	B 359
			Fg.-Nr. →8D-Y 160 000	08.98-02.00	0 986 356 359	B 359
			Fg.-Nr. 8D-Y 160 000→	02.00-10.00	0 986 356 359	B 359
		75	ALZ	06.00-09.01	0 986 356 359	B 359
1.8	1,8	85/92	ADR; AFY; APT; ARG; AVV	11.94-10.01	RBE	
2.4	2,4	110	AFM	07.95-07.97	0 986 356 302	B 302
		120/121	AGA; AJG; ALF; AML; APS; APZ; ARJ	08.97-09.01	0 986 356 321	B 321
2.6	2,6	110	ABC	11.94-07.98	0 986 356 302	B 302
2.8	2,8	128	AAH	11.94-07.97	0 986 356 302	B 302
		142	ACK; ALG; AMX; APR; AQD	03.96-09.01	0 986 356 321	B 321

A4 (B6)

1.6	1,6	75	ALZ	10.00-12.04	0 986 356 359	B 359
2.4	2,4	120/125	AMM; BDV	04.01-12.05	0 986 356 321	B 321

A4 (B7)

1.6	1,6	75	ALZ	11.04-06.08	0 986 356 359	B 359
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A6 (C4,C5)

1.8	1,8	85/92/110	ADR; AFY; APU	06.94-05.01	RBE	
2.0	2,0	74/79/85	AAE; ABK; ADW	06.94-10.97		
		96	ALT	06.01-01.05	0 986 356 321	B 321
2.3	2,3	98	AAR	06.94-10.97	0 986 356 340	B 340
2.4	2,4	100/115/120/121/125	AGA; AJG; ALF; ALW; AML; AMM; APC; APS; APZ; ARJ; ARN; ASM; BDV	04.97-01.05	0 986 356 321	B 321
		110	AFM	07.95-10.97	0 986 356 302	B 302
2.6	2,6	102/110	ABC; ACZ	06.94-10.97	0 986 356 302	B 302
2.8	2,8	120	AEJ	06.94-10.97	0 986 356 302	B 302
		125-128	AAH	06.94-10.97	0 986 356 302	B 302
		132/140/142	AGE; ALG; AMX; APR; AQD; ATX	06.97-05.01	0 986 356 321	B 321
		142	ACK	10.95-10.97	0 986 356 302	B 302
				04.97-12.98	0 986 356 321	B 321

A8 (D2,D3,D4)

2.8	2,8	120	AEJ	07.95-03.96	0 986 356 302	B 302
		128	AAH	06.94-03.96	0 986 356 302	B 302
		142	ACK	03.96-12.98	0 986 356 321	B 321
			ALG; AMX; APR; AQD	10.97-09.02	0 986 356 321	B 321

Cabriolet (B4)

1.8	1,8	92	ADR	01.97-08.00	RBE	
2.0	2,0	85	ABK	01.93-09.98	0 986 356 317	B 317
2.3	2,3	98	NG	06.91-07.94	0 986 356 340	B 340
2.6	2,6	102/110	ABC; ACZ	01.94-08.00	0 986 356 302	B 302
2.8	2,8	128	AAH	11.92-08.00	0 986 356 302	B 302

Coupe (B2,B3)

2.0	2,0	85	ABK	09.91-12.95	0 986 356 317	B 317
2.3	2,3	98	NG	11.88-07.94	0 986 356 340	B 340
2.6	2,6	110	ABC	08.92-12.95	0 986 356 302	B 302
2.8	2,8	128	AAH	08.91-12.95	0 986 356 302	B 302

80

1.6	1,6	52	ABM	01.92-08.94	0 986 356 317	B 317
		74	ADA	06.93-07.95		
2.0	2,0	66/85	ABK; ABT	09.91-07.95	0 986 356 317	B 317
2.3	2,3	98	NG	09.90-11.94	0 986 356 340	B 340
2.6	2,6	102/110	ABC; ACZ	07.92-07.95	0 986 356 302	B 302
2.8	2,8	128	AAH	09.91-07.95	0 986 356 302	B 302

100

1.6	1,6	75	ABB	03.92-01.94		
2.0	2,0	74	AAE	12.90-07.94		





1	2	3	4	5	6	7	8
A3 (8V1,8V7,8VA,8VS)							
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729				
A4 (B5)							
0 356 912 857	0 356 912 857						
		0 986 357 721			0 986 357 721		
0 986 357 722	0 986 357 722	0 986 357 723	0 986 357 722	0 986 357 723	0 986 357 723		
		0 986 357 721			0 986 357 721		
		0 986 357 721			0 986 357 721		
0 986 357 722	0 986 357 722	0 986 357 723	0 986 357 722	0 986 357 723	0 986 357 723		
A4 (B6)							
0 986 357 722	0 986 357 722	0 986 357 723	0 986 357 722	0 986 357 723	0 986 357 723		
A4 (B7)							
A6 (C4,C5)							
0 356 912 857	0 356 912 857						
0 356 912 883	0 356 912 883	0 356 912 883	0 356 912 883				0 356 904 061
0 986 357 722	0 986 357 722	0 986 357 723	0 986 357 722	0 986 357 723	0 986 357 723		
0 356 912 987	0 356 912 888	0 356 912 887	0 356 912 886	0 356 912 886			0 356 904 070
0 986 357 722	0 986 357 722	0 986 357 723	0 986 357 722	0 986 357 723	0 986 357 723		
		0 986 357 721			0 986 357 721		
		0 986 357 721			0 986 357 721		
		0 986 357 721			0 986 357 721		
		0 986 357 721			0 986 357 721		
0 986 357 722	0 986 357 722	0 986 357 723	0 986 357 722	0 986 357 723	0 986 357 723		
		0 986 357 721			0 986 357 721		
0 986 357 722	0 986 357 722	0 986 357 723	0 986 357 722	0 986 357 723	0 986 357 723		
A8 (D2,D3,D4)							
		0 986 357 721			0 986 357 721		
		0 986 357 721			0 986 357 721		
0 986 357 722	0 986 357 722	0 986 357 723	0 986 357 722	0 986 357 723	0 986 357 723		
0 986 357 722	0 986 357 722	0 986 357 723	0 986 357 722	0 986 357 723	0 986 357 723		
Cabriolet (B4)							
0 356 912 857	0 356 912 857						
0 356 912 885	0 356 912 884	0 356 912 884	0 356 912 883				0 356 904 061
0 356 912 987	0 356 912 888	0 356 912 887	0 356 912 886	0 356 912 886			0 356 904 070
		0 986 357 721			0 986 357 721		
		0 986 357 721			0 986 357 721		
Coupe (B2,B3)							
0 356 912 885	0 356 912 884	0 356 912 884	0 356 912 883				0 356 904 061
0 356 912 987	0 356 912 888	0 356 912 887	0 356 912 886	0 356 912 886			0 356 904 070
		0 986 357 721			0 986 357 721		
		0 986 357 721			0 986 357 721		
80							
0 356 912 885	0 356 912 884	0 356 912 884	0 356 912 883				0 356 904 061
0 356 912 883	0 356 912 883	0 356 912 883	0 356 912 883				0 356 904 062
0 356 912 885	0 356 912 884	0 356 912 884	0 356 912 883				0 356 904 061
0 356 912 987	0 356 912 888	0 356 912 887	0 356 912 886	0 356 912 886			0 356 904 070
		0 986 357 721			0 986 357 721		
		0 986 357 721			0 986 357 721		
100							
0 356 912 883	0 356 912 883	0 356 912 883	0 356 912 883				0 356 904 061
0 356 912 883	0 356 912 883	0 356 912 883	0 356 912 883				0 356 904 062



							
l/100km		kW		Typ		SET	

◀ AUDI

2.0	2,0	85	ABK	01.93-07.94		
2.3	2,3	98	AAR	12.90-07.94		
					0 986 356 340	B 340
2.6	2,6	102/110	ABC; ACZ	01.92-12.98	0 986 356 302	B 302
2.8	2,8	125-128	AAH	12.90-07.94	0 986 356 302	B 302
200						
2.4	2,4	110	AFM	09.98-09.99	0 986 356 302	B 302
2.6	2,6	102	ACZ	11.95-09.99	0 986 356 302	B 302
500						
2.8	2,8	128	AAH	03.92-03.95	0 986 356 302	B 302

AUTOBIANCHI

Y 10						
1.3	1,3	53	146 A 5.046 MPI <ZM M2>	09.92-12.95	0 986 357 131	B 131

BEDFORD

Brava						
2.3	2,3	65	4 ZD..	12.88-06.94		

BMW

Serie Z3 (E36/7;E36/8)						
Z 3	1,8	85	18 4E 2 <M 43 B 18>	03.95-12.98	0 986 356 361	B 361
	1,9	87	19 4E 1 <M 43 B 19>	09.98-09.02	0 986 356 361	B 361
		103	19 4S 1 <M 44 B 19>	09.95-12.99	0 986 356 307	B 307
Serie 3 (E30)						
316	1,6	73-75	16 4E 1 <M 40 B 16>	09.91-06.94	MMS 0 986 356 325	B 325
					MMS 0 986 356 328	B 328
318	1,8	83-85	18 4E 1 <M 40 B 18>	04.89-06.94	MMS 0 986 356 325	B 325
					MMS 0 986 356 328	B 328
Serie 3 (E36)						
316	1,6	64-75	16 4E 2 <M 43 B 16>; 16 4E 2 <M 43 B 16..Gas CNG>	09.93-09.00	0 986 356 361	B 361
		73-75	16 4E 1 <M 40 B 16>	09.90-02.94	MMS 0 986 356 325	B 325
					MMS 0 986 356 328	B 328
	1,8	85	18 4E 1 <M40 B18>	10.91-10.94	MMS 0 986 356 325	B 325
					MMS 0 986 356 328	B 328
	1,9	77	19 4E 1 <M 43 B 19>	12.98-09.00	MMS 0 986 356 310	B 310
318	1,8	83-85	18 4E 1 <M 40 B 18>	12.90-02.94	MMS 0 986 356 325	B 325
					MMS 0 986 356 328	B 328
		85	18 4E 2 <M 43 B 18>	09.93-12.99	0 986 356 361	B 361
		103	18 4S 1 <M 42 B 18>	10.93-12.96	0 986 356 307	B 307
	1,9	103	19 4S 1 <M 44 B 19>	03.95-09.00	0 986 356 307	B 307
Serie 3 (E46)						
316	1,6	75	16 4E 3 <M 43 B 16>	04.98-09.02	MMS 0 986 356 310	B 310
	1,8	85	N42 B18A <NG4>	06.01-03.04	MMS 0 986 356 310	B 310
	1,9	77	19 4E 1 <M 43 B 19>	04.98-09.02	MMS 0 986 356 310	B 310
318	1,9	87	19 4E 1 <M 43 B 19>	04.98-09.01	MMS 0 986 356 310	B 310
Serie 5 (E34)						
518	1,8	75-85	18 4E 2 <M 43 B 18>; 18 4E 2 <M 43 B 18..Gas CNG>	09.90-12.96	MMS 0 986 356 310	B 310
		83-85	18 4E 1 <M 40 B 18>	09.89-12.94	MMS 0 986 356 325	B 325
					MMS 0 986 356 328	B 328
Serie 7 (E32)						
730	3,0	136-145	30 6K A <M 30 B 30>	10.88-06.94	0 986 356 324	B 324



1	2	3	4	5	6	7	8
0 356 912 883	0 356 912 883	0 356 912 883	0 356 912 883				0 356 904 061
							0 356 912 993
0 356 912 987	0 356 912 888	0 356 912 887	0 356 912 886	0 356 912 886			0 356 904 070
							0 356 912 993
		0 986 357 721			0 986 357 721		
		0 986 357 721			0 986 357 721		
							200
		0 986 357 721			0 986 357 721		
		0 986 357 721			0 986 357 721		
							500
		0 986 357 721			0 986 357 721		

AUTOBIANCHI

							Y 10
0 986 356 019	0 986 356 017	0 986 356 017	0 986 356 019				0 986 356 040

BEDFORD

							Brava
		0 986 356 059	0 986 356 059				0 986 356 044

BMW

Serie Z3 (E36/7;E36/8)

Serie 3 (E30)

Serie 3 (E36)

0 986 357 703 0 986 357 703 0 986 357 704 0 986 357 704

Serie 3 (E46)

0 986 357 703 0 986 357 703 0 986 357 704 0 986 357 704
0 986 357 703 0 986 357 703 0 986 357 704 0 986 357 704
0 986 357 703 0 986 357 703 0 986 357 704 0 986 357 704

Serie 5 (E34)

0 986 357 703 0 986 357 703 0 986 357 704 0 986 357 704

Serie 7 (E32)



							
	l/100km	kW	Typ			SET	

CHEVROLET

Aveo							
1.2	1,2	53	...	02.06-10.08		0 986 357 285	B 285
1.4	1,4	69	F14D3	09.02→		0 986 356 987	B 987
1.5	1,5	63	F15S3	09.02-08.08		0 986 356 980	B 980
Cruze							
1.6	1,6	80	F16D3	05.09→		0 986 356 987	B 987
Ipanema							
2.0	2,0	90	C2ONE <SOHC MPFI>	12.96-12.97		F 000 99C 128	CS
Kalos							
1.2	1,2	53	B12S1	02.05-04.08		0 986 357 285	B 285
1.4	1,4	61	F14S3	02.05-09.06		0 986 356 980	B 980
		69	F14D3	02.05-04.08		0 986 356 987	B 987
Lanos							
1.5	1,5	63	A15SMS <E-TEC>	01.04→		0 986 356 980	B 980
1.6	1,6	78	A16DMS	01.04→		0 986 356 987	B 987
Matiz							
0.8	0,8	38	A08S3	02.05-12.10		0 986 357 801	BS801
1.0	1,0	48	B10S1	02.05-12.10		0 986 357 285	B 285
Spark							
0.8	0,8	38	A08S3	02.05-12.10		0 986 357 801	BS801
1.0	1,0	48	B10S1	02.05-12.10		0 986 357 285	B 285

CHRYSLER

Neon							
1.8	1,8	85/91	EBD	09.97-12.05		0 986 357 270	B W270
2.0	2,0	98/107-109/112	ECB; ECC	06.94-12.05		0 986 357 270	B W270
New Yorker							
3.5	3,5	160	F MPI <F01>	04.93-09.99		0 986 357 248	B 248
PT Cruiser							
2.0	2,0	100-104	ECC	06.00-12.05		0 986 357 052	B 052
2.4	2,4	105-112	EDZ	06.00-12.10		0 986 357 052	B 052
Stratus							
2.0	2,0	96-98	ECB,ECO <C MPI>	08.95-04.01		0 986 357 270	B W270
2.4	2,4	118	EDZ; EDZ <X MPI>; EDZ,EDO <X MPI>	08.95-04.01		0 986 357 270	B W270
Voyager							
2.0	2,0	98	ECO,ECB	08.96-12.00		0 986 357 270	B W270
2.4	2,4	108	EDZ	01.01-12.02		0 986 357 270	B W270
				01.03-12.07		0 986 357 052	B 052
		110	EDZ	08.96-12.00		0 986 357 270	B W270
2.5	2,5	72	EDM <EFI>	01.88-08.94		0 986 356 834	B 834
3.3	3,3	110/116/120	EFI <EGA>; EG...; EGA	09.90-12.99		0 986 357 248	B 248
3.8	3,8	122/131	EGH,EGO	01.97-12.00		0 986 357 248	B 248

CITROEN

AX							
1.0	1,0	31-33	CDY Kat. <TU9M>	07.92-12.94	WW	0 986 357 240	B W240
				07.92-12.98		0 986 356 830	B 830
		37	CDZ Kat. <TU9M>	07.92-12.98	MZV	0 986 356 830	B 830
					MZV,WW	0 986 357 240	B W240
				01.95-12.98	MZV	0 986 356 889	B 889
1.1	1,1	44	HDY Kat. <TU1M>	06.92-06.98		0 986 356 830	B 830
					WW	0 986 357 240	B W240
1.4	1,4	55-58	KDX Kat. (Gußmot.) <TU3FM>; KDY Kat. <TU3M>; KDY Kat. (Gußmot.) <TU3FM>	12.92-12.96		0 986 356 830	B 830
					WW	0 986 357 240	B W240
			KDZ Kat. <TU3M>	06.88-12.98		0 986 356 889	B 889



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CHEVROLET

Aveo

Cruze

Ipanema

Kalos

Lanos

Matiz

Spark

CHRYSLER

Neon

New Yorker

PT Cruiser

Stratus

Voyager

CITROEN

AX

0 986 356 061

0 986 356 061



							
/lccm							
kW							
Typ							
1							
?							
SET							

◀ CITROEN

1.4	1,4	66/69-74	KFY Kat. <TU3FJ>; KFZ Kat. <TU3FJ>; K6B <TU3FJ2>	05.91-12.96		0 986 356 830	B 830
					WW	0 986 357 240	B W240
Berlingo							
1.4	1,4	49	KFX <TU3JP>	07.03→		F 000 99C 535	
		55	KFX <TU3JP>	07.96-11.02		0 986 356 830	B 830
					WW	0 986 357 240	B W240
1.8	1,8	66	LFX <XU7JB>	03.97-11.02		0 986 356 767	B 767
BX							
14	1,4	50	K1F <TU3A/N>	07.88-12.94		0 986 356 889	B 889
15	1,6	53	B1E <XU51C/W>	09.88-12.94		0 986 356 803	B 803
16	1,6	64/76	171D <XU5STR>; 180Z <XU5J>	09.88-12.94		0 986 356 794	B 794
		65	BDY Kat. <XU5M>	04.91-12.94		0 986 356 767	B 767
		67	B2C <XU52C/K>	02.88-12.94	ZVD	0 986 356 851	B 851
					ZVS	0 986 356 794	B 794
C15							
E 1.0	1,0	32	C1A <TU9>	07.88-12.97		0 986 356 889	B 889
E 1.1	1,1	44	HDZ Kat. <TU1M>; H1A <TU1>	12.92-12.96		0 986 356 830	B 830
					WW	0 986 357 240	B W240
E 1.4	1,4	51	K1G <TU3A>	07.87-12.96		0 986 356 889	B 889
C25							
E 1.8	1,8	49-51	XM7T <169B>	01.85-03.94		0 986 356 795	B 795
E 2.0	2,0	60-63	XN1TA <170C/D>	09.81-03.94		0 986 356 795	B 795
Evasion							
2.0	2,0	89-90/ 108-110	RFU <XU10J2>; RGX <XU10J2TE>	06.94-07.02		0 986 356 727	B 727
Jumpy							
1.6	1,6	58	220 A2.000 <1580 SPI>	10.95-01.07		0 986 356 854	B 854
Saxo							
1.0	1,0	33/37	CDY <TU9M>; CDZ <TU9M>	02.96-09.03		0 986 356 830	B 830
					WW	0 986 357 240	B W240
1.1	1,1	40-44	HDY <TU1M+>; HDZ <TU1M+>	02.96-09.03		0 986 356 830	B 830
					WW	0 986 357 240	B W240
1.4	1,4	55	KFX <TU3JP>	02.96-09.03		0 986 356 830	B 830
					WW	0 986 357 240	B W240
1.6	1,6	65-66	NFZ <TU5JP>	02.96-09.03		0 986 356 830	B 830
					WW	0 986 357 240	B W240
Xantia							
1.6	1,6	65-66	BFZ <XU5JP/Z, L3>	03.93-01.98		0 986 356 767	B 767
		66	BFZ <XU5JP/L3>	03.98-12.01		0 986 356 767	B 767
1.8	1,8	66/70-71/ 74-76/81	LFX <XU7JB>; LFY Kat. <XU7JP4/L3>; LFY <XU7JP4>; LFZ Kat. <XU7JP/Z, L3>; L6A <XU7JP/K>	03.93-12.01		0 986 356 767	B 767
2.0	2,0	89-90/91-92	RFX Kat. <XU10J2C/Z, L3>; RFX <XU10J2C/L3>; R6D <XU10J2C/K>	03.93-12.01		0 986 356 727	B 727
		97	RFV <XU10J4R>	09.95-01.98		0 986 356 727	B 727
XM							
2.0	2,0	85	R2A <XU102C>	05.89-06.94		0 986 357 123	B 123
		89-90/97-99/ 104-107/ 108-110	RFV <XU10J4R>; RFZ Kat. <XU10J2Z>; RGY <XU10J2TE>; RGY <XU10J2TE/Z>	05.89-10.00		0 986 356 727	B 727
		90-96	R6A <XU10J2>; R6A <XU10J2K>	05.89-10.00		0 986 356 727	B 727
3.0	3,0	123-125	UFY <ZPJ>; UFZ <ZPJ>	06.93-12.97		0 986 357 120	B 120
Xsara							
1.4	1,4	55	KFX <TU3JP>	07.97-08.00		0 986 356 830	B 830
					WW	0 986 357 240	B W240
1.6	1,6	65-66	NFZ <TU5JP>	07.97-08.00		0 986 356 830	B 830
					WW	0 986 357 240	B W240
1.8	1,8	66/74-75/ 81-82	LFX <XU7JB>; LFY <XU7JP4>; LFZ <XU7JP>	07.97-08.00		0 986 356 767	B 767
ZX							
1.1	1,1	40-44	H1A, H1B <TU1/K>	03.91-08.96		0 986 356 889	B 889
		44	HDZ Kat. <TU1M>	12.92-03.94		0 986 356 830	B 830
					WW	0 986 357 240	B W240
1.4	1,4	55	KDX Kat. <TU3MC/Z>; KFX <TU3JP>	12.92-10.97		0 986 356 830	B 830
					WW	0 986 357 240	B W240





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Berlingo**BX**

0 986 356 061

0 986 356 062 0 986 356 063

0 986 356 064

0 986 356 057

0 986 356 063

0 986 356 040

0 986 356 063

C15

0 986 356 061

0 986 356 061

C25**Evasion**

0 986 356 130 0 986 356 131 0 986 356 131 0 986 356 132

Jumpy**Saxo****Xantia**

0 986 356 130 0 986 356 131 0 986 356 135 0 986 356 132

0 986 356 130 0 986 356 131 0 986 356 131 0 986 356 132

XM

0 986 356 057 0 986 356 058

0 986 356 058

0 986 356 130 0 986 356 131 0 986 356 131 0 986 356 132

0 986 356 130 0 986 356 131 0 986 356 131 0 986 356 132

0 986 356 129 0 986 356 131 0 986 356 131

Xsara**ZX**

0 986 356 061



							
Typ							

◀ CITROEN

1.4	1,4	55	K5A <TU3.2/Z>	09.93-12.95	0 986 356 889	B 889
1.6	1,6	65-66	BDY Kat. <XU5M/4Z>; BFZ Kat. <XU5JP>; B4A <XU5M/4K>; NFZ <TU5JP>	03.91-10.97	0 986 356 767	B 767
1.8	1,8	74-76	LFZ Kat. <XU7JP>; L6A <XU7JP>	07.92-10.97	0 986 356 767	B 767
1.9	1,9	88-90/93-96	DKZ,DFY Kat. <XU9JAZ>; D6E <XU9JA/K>	03.91-10.97	0 986 356 767	B 767
2.0	2,0	89	RFX Kat. <XU10J2CZ>	07.92-10.97	0 986 356 727	B 727

DACIA

Dokker

1.6	1,6	61	K7M 8...; K7M 812	07.12→	0 986 357 256	B W256
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Lodgy

1.6	1,6	61	K7M 8...; K7M 812	03.12→	0 986 357 256	B W256
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Logan

1.4	1,4	55	K7J 71...	07.04→	0 986 357 256	B W256
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1.6	1,6	62/64	K7M 7...; K7M 8...; K7M 800	07.04→	0 986 357 256	B W256
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Sandero

1.4	1,4	55	K7J 71...	06.08→	0 986 357 256	B W256
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1.6	1,6	61/62	K7M 8...; K7M 812	11.10→	0 986 357 256	B W256
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Serie 1300

1310	1,3	40	810-99	01.79-12.98	0 986 357 049	B 049
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	1,4	48	102-13	01.94-12.96	0 986 357 049	B 049
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DAEWOO

Cielo

1.5	1,5	59	G15MF	07.95-03.01	0 986 356 972	B 972
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Espero

1.5	1,5	65		09.93-12.94	0 986 356 739	B 739
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		66	A15MF	01.95-10.99	0 986 356 975	B 975
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1.8	1,8	66-70	C18LE	01.95-10.99	0 986 356 739	B 739
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2.0	2,0	77	C20LE	01.95-10.99	0 986 356 739	B 739
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		81	C20LE	09.93-10.94	0 986 356 739	B 739
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Kalos

1.2	1,2	53	B12S1 <LQ5>	04.03-01.05	0 986 357 285	B 285
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1.4	1,4	61	F14S3	09.02-01.05	0 986 356 980	B 980
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Korando

3.2	3,2	162	M162 E32 <MB-M 104.>	07.96-12.00	F 005 X13 852	
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Lanos

1.4	1,4	55	A14SMS <E-TEC>	04.97-09.03	0 986 356 980	B 980
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1.5	1,5	63/74	A15SMS; A15SMS <E-TEC>	11.96-09.03	0 986 356 980	B 980
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1.6	1,6	78	A16DMS <L44>	04.97-09.03	0 986 356 987	B 987
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Leganza

2.0	2,0	98-117	X20SED	03.97-12.02	0 986 356 986	B 986
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LeMans

1.5	1,5	55/66	Opel-G 15 MF; Opel-G 15 SF	09.88-03.94	0 986 356 739	B 739
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		73	A15MF	04.93-10.96	0 986 356 884	B 884
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Matiz

0.8	0,8	37,5	F8CV	01.01→	MZV 0 986 357 801	BS801
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					MZV 0 986 356 988	B 988
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		38	F8CV	04.98-01.05	MZV 0 986 357 801	BS801
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					MZV 0 986 356 988	B 988
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				11.98-02.02	0 986 356 988	B 988
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1.0	1,0	47	B10S	01.01→	0 986 357 285	B 285
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Musso

3.2	3,2	162	M162 E32 <MB-M 104.992>	01.96-12.00	F 005 X13 852	
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Nexia

1.5	1,5	44/52/55-57	G15MF	12.94→	0 986 356 972	B 972
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		58,9	A15SMS	01.95→	0 986 356 980	B 980
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		62,5/66-67	A15MF	11.94→	0 986 356 975	B 975
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0 986 356 061

0 986 356 130 0 986 356 131 0 986 356 131 0 986 356 132

DACIA

Dokker

Lodgy

Logan

Sandero

Serie 1300

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019

0 986 356 042

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019

0 986 356 042

DAEWOO

Cielo

Espero

0 986 356 149 0 986 356 063 0 986 356 062 0 986 356 061

0 986 356 061

0 986 356 149 0 986 356 063 0 986 356 062 0 986 356 061

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0 986 356 061

Kalos

Korando

Lanos

Leganza

LeMans

0 986 356 149 0 986 356 063 0 986 356 062 0 986 356 061

0 986 356 061

Matiz

Musso

Nexia



							
l/ccm		kW		Typ		SET	

DAEWOO

Nubira							
1.6	1,6	76-78	A16DMS <L44>	09.97-06.03		0 986 356 987	B 987
Rezzo							
1.6	1,6	74-77	A16DMS <L44>	09.00-01.05		0 986 356 987	B 987
Tico							
0.8	0,8	30-35/38	F8C; F8CV	06.91-01.05		0 986 356 988	B 988

DAIHATSU

Applause							
1.6	1,6	66-67	HDCF	06.89-07.97			
		73	HDE <Kat.>	09.97-04.00			
		77	HDE <Kat.>	06.89-07.97			
Charade							
1.3	1,3	44-62	HC <Kat.>; HCE <Kat.>	01.93-09.00		0 986 357 202	B 202
1.5	1,5	55/66	HEE <Kat.>; HEEG	06.94-09.00		0 986 357 202	B 202
1.6	1,6	77	HDE <Kat.>	01.93-09.00		0 986 357 202	B 202
Cuore							
850	0,8	31-32	ED20	08.94-12.96	LLE	0 986 357 222	B 222
Domino							
0.9	0,9	32	ED10	11.86-12.96			
Feroza							
1.6	1,6	63/70	HDC; HDE; HDE <Kat.>	10.88-10.99			
Gran Move							
1.5	1,5	66	HEEG	11.96-03.00		0 986 357 202	B 202
Mira							
850	0,9	30	ED10	01.90-12.94		0 986 357 222	B 222
Move							
850	0,9	31	ED20	01.97-12.00		0 986 357 222	B 222

DODGE

Caravan							
2.0	2,0	98		01.95-03.01		0 986 357 270	B W270
2.4	2,4	111	EDZ	09.94-08.00		0 986 357 270	B W270
				09.02-08.07		0 986 357 052	B 052
2.5	2,5			09.88-08.95		0 986 356 834	B 834
3.3	3,3	121	EG...	09.95-09.00		0 986 357 248	B 248
3.8	3,8	122/130-134	EGH	01.95-03.01		0 986 357 248	B 248
Neon							
2.0	2,0	98/112	ECB; ECH	09.99-08.05		0 986 357 270	B W270

FIAT

Albea							
1.2	1,2	44	188 A4.000 <M6>	01.02-12.12		0 986 357 800	BS800
		57-59	188 A5.000 <M10>	01.02-12.12		0 986 357 181	B 181
1.4	1,4	57	350 A1.000 <M13>	07.06-12.12		0 986 357 286	B 286
1.6	1,6	76	182 B6.000 <M21>	01.02-12.12		0 986 357 261	B W261
					WW	0 986 356 787	B 787
Brava							
1.2	1,2	60	182 B2.000 <M1>; 188 A5.000 <M2>	11.98-09.01		0 986 357 181	B 181
1.4	1,4	55/59	182 A3.000 <M1>; 182 A5.000 <M2>	10.95-10.98	RBE	0 356 912 881	ES 881
1.6	1,6	66/75/76/77	182 A4.000 <M3>; 182 A4.000 <M5>; 182 A4.027 <M5>; 182 A4.027 <M6>; 182 A6.000 <M4>; 182 B6.000 <M8>	10.95-12.01		0 986 357 261	B W261
					WW	0 986 356 787	B 787
Bravo							
1.2	1,2	60	182 B2.000 <M1>; 188 A5.000 <M2>	11.98-09.01		0 986 357 181	B 181
1.4	1,4	55/59	182 A3.000 <M1>; 182 A5.000 <M2>	10.95-10.98	RBE	0 356 912 881	ES 881
1.6	1,6	66/75	178 A8.011 <M6>; 182 A4.000 <M3>; 182 A4.000 <M5>; 182 A6.000 <M4>; 182 B6.000 <M8>	10.95-09.01		0 986 357 261	B W261
					WW	0 986 356 787	B 787



1	2	3	4	5	6	7	8	
								Nubira
								Rezzo
								Tico

DAIHATSU

					Applause
0 986 356 171	0 986 356 172	0 986 356 173	0 986 356 174	0 986 356 044	
0 986 356 171	0 986 356 172	0 986 356 173	0 986 356 174	0 986 356 044	
0 986 356 171	0 986 356 172	0 986 356 173	0 986 356 174	0 986 356 044	
					Charade
0 986 356 171	0 986 356 172	0 986 356 173	0 986 356 174	0 986 356 044	
					Cuore
0 986 356 025	0 986 356 025	0 986 356 023	0 986 356 044		
					Domino
0 986 356 008	0 986 356 008	0 986 356 006	0 986 356 042		
					Feroza
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170	0 986 356 040	
					Gran Move
					Mira
0 986 356 025	0 986 356 025	0 986 356 023	0 986 356 044		
					Move
0 986 356 025	0 986 356 025	0 986 356 023	0 986 356 044		

DODGE

								Caravan
								Neon

FIAT

				Albea
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264	
				Brava
				Bravo



							
l/100km		kW		Typ		SET	

FIAT

1.8	1,8	83	182 A2.000 <M5>	10.95-10.98		0 986 357 261	B W261
					WW	0 986 356 787	B 787
Cinquecento							
1.1	1,1	40	176 B2.000 <M6>	10.94-07.98		0 986 356 754	B 754
700	0,7	22	170 A.046 <M4>	10.92-07.98		0 986 356 752	B 752
900	0,9	29/30/31	170 A1.000 <M2>; 170 A1.046 <M3>; 1170 A1.000 <M7>; 1170 A1.046 <M5>	07.91-07.98		0 986 356 717	B 717
Coupé							
2.0	2,0	104	836 A3.000 <M1>; 836 A3.011 <M3>	04.94-09.96		0 986 356 791	B 791
		143	175 A1.000 <M2>	04.94-09.96		0 986 356 709	B 709
Croma							
2.0	2,0	85/86/110	154 C3.000 <M1>; 154 C3.046 <M2>; 154 C4.046 <M4>; 834 B.146 <M6>	11.92-12.96		0 986 356 874	B 874
Doblo							
1.2	1,2	48	223 A5.000 <M1>	07.00-09.05		0 986 357 800	BS800
1.4	1,4	55-57	350 A1.000 <M11>	10.05→		0 986 357 286	B 286
1.6	1,6	68-76	182 B6.000 <M6/M11>	01.03-09.05		0 986 357 261	B W261
					WW	0 986 356 787	B 787
		76	182 B6.000 <M26>	10.05-12.10	WW	0 986 356 787	B 787
Doblo Cargo							
1.2	1,2	48	223 A5.000 <M1>	07.00-09.05		0 986 357 800	BS800
1.4	1,4	55-57	350 A1.000 <M11>	10.05→		0 986 357 286	B 286
1.6	1,6	68-76	182 B6.000 <M6/M11>	01.03-09.05		0 986 357 261	B W261
					WW	0 986 356 787	B 787
		76	182 B6.000 <M26>	10.05-12.10	WW	0 986 356 787	B 787
Ducato							
2.0	2,0	55/63	170 B (XN1T) <M1>; 170 C (XN1TA) <M2>; 170 D (XN1TA) <M3>; 170D <M3>	07.90-02.94		0 986 356 795	B 795
		71-81	RFL <M1>; RFL <M2/DECAT.>; RFW <M1>; R5B <M2>	03.94-08.06		0 986 356 854	B 854
Duna							
1.6	1,6	64	159A303	09.90-01.96		F 000 99C 512	
Fiorino							
1.4	1,4	51-57	350 A1.000 <M18>	10.09→	EU4	0 986 357 286	B 286
		52	146 C5.000 <M1>	09.93-06.95		0 986 356 718	B 718
		54-57	350 A1.000	09.14→		0 986 357 286	B 286
1.6	1,6	55	146 C6.000 <M2>	09.93-06.95		0 986 356 718	B 718
Idea							
1.4	1,4	57	350 A1.000 <M11>	11.04-12.12		0 986 357 286	B 286
		60	<Fire>	08.10→		F 000 99C 130	CS
Linea							
1.4	1,4	57	350 A1.000 <M13>	03.07→		0 986 357 286	B 286
Marea							
1.2	1,2	60	182 B2.000 <M1>	03.99-09.02		0 986 357 181	B 181
1.4	1,4	59	182 A3.000 <M1>	10.96-02.99		0 986 356 818	B 818
1.6	1,6	68-76	182 A4.000 <M2>; 182 A4.000 <M5>; 182 B5.098 <M6>; 182 B6.000 <M8>; 185 A3.000 <M5>; 185 A3.000 <M7>	10.96-12.02		0 986 357 261	B W261
					WW	0 986 356 787	B 787
Multipla							
1.6	1,6	68-76	182 A4.000 <M1>; 182 B6.000 <M3>; 182 B6.000 <M4>; 182 B6.000 <M8>; 182 B6.000 <M9>; 186 A3.000 <M3>; 186 A4.000 <M2>	01.99-12.10		0 986 357 261	B W261
					WW	0 986 356 787	B 787
Palio							
1.0	1,0	40	178 D 9.011 <Fire>	01.04-12.07		F 000 99C 130	CS
1.1	1,1	40	178 B9.033 <M1>	03.98-07.01		0 986 356 853	B 853
1.2	1,2	44	178 B5.000 <M5>; 178 B5.000 <M7>; 178 B5.000 <M11>	03.99-08.02		0 986 356 754	B 754
			188 A4.000; 188 A4.000 <M6>; 188 A4.000 <M10>	01.01-12.11		0 986 357 800	BS800
		44/54	178 C4.066 <M6>; 178 E 2.000 <M4>	11.99-02.02		0 986 356 754	B 754
		46	178 C4.066 <M5>				
			Mot.-Nr. →2935743	07.01-12.11		0 986 356 754	B 754
			Mot.-Nr. 2935744→	07.01-12.11		0 986 357 287	B 287
		54	178 B7.045 <M8>				
			Mot.-Nr. →2935743	10.01-12.05		0 986 356 754	B 754
			Mot.-Nr. 2935744→	10.01-12.05		0 986 357 287	B 287
		59	188 A5.000 <M10>	10.01-12.11		0 986 357 181	B 181
1.4	1,4	57	350 A1.000 <M13>	07.03-12.11		0 986 357 286	B 286



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Cinquecento

0 986 356 267 0 986 356 266 0 986 356 265 0 986 356 264

0 986 356 032 0 986 356 032

0 986 356 032 0 986 356 032 0 986 356 033 0 986 356 033

Coupé**Croma**

0 986 356 025 0 986 356 023 0 986 356 023 0 986 356 021

0 986 356 044

Doblo

0 986 356 267 0 986 356 266 0 986 356 265 0 986 356 264

Doblo Cargo

0 986 356 267 0 986 356 266 0 986 356 265 0 986 356 264

Ducato**Duna****Fiorino****Idea****Linea****Marea**

0 986 356 131 0 986 356 130 0 986 356 130 0 986 356 129

Multipla**Palio**

0 986 356 058 0 986 356 057 0 986 356 056 0 986 356 055

0 986 356 004

0 986 356 267 0 986 356 266 0 986 356 265 0 986 356 264

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l/ccm		kW		Typ		SET	

◀ FIAT

1.4	1,4	60	<Fire>	08.10→		F 000 99C 130	CS
1.6	1,6	74/76	176 D2.011 <M27>; 178 B3.000 <M25>; 178 C7.098 <M26>; 178 D2.011 <M27>; 182 B6.000 <M20>; 182 B6.000 <M21>; 182 B6.000 <M28>	11.97→	WW	0 986 357 261	B W261
						0 986 356 787	B 787
75	1,2	54	178 B5.000 <M1>	09.97-09.01		0 986 356 754	B 754
			188 A4.000 <M6>; 188 A4.000 <M9>	08.00-09.04		0 986 357 800	BS800
85	1,2	63	188 A5.000 <M10>	10.01-09.04		0 986 357 181	B 181
100	1,6	76	178 B3.000 <M2>; 182 B6.000 <M21>; 182 B6.000 <M28>	09.97-09.04		0 986 357 261	B W261
					WW	0 986 356 787	B 787
Panda							
1.1	1,1	39	187 A1.000	01.09-12.11		0 986 357 287	B 287
		40	187 A1.000 <M1>				
			Mot.-Nr. →2888158	10.03-12.09		0 986 357 800	BS800
			Mot.-Nr. 2888159→	10.03-12.09		0 986 357 287	B 287
1.2	1,2	38	188 A4.000	01.09-12.10		0 986 357 287	B 287
		38-44	188 A4.000 <ECOCF4>; 188 A4.000 <M4>	12.06-12.11		0 986 357 287	B 287
		44	188 A4.000	01.09-12.12	EU4	0 986 357 287	B 287
					EU5	0 986 357 286	B 286
			188 A4.000 <M5>				
			Mot.-Nr. →2939661	10.03-12.09		0 986 357 800	BS800
			Mot.-Nr. 2939662→	10.03-12.09		0 986 357 287	B 287
		51	169 A4.000; 169 A4.000 <ECOCF5>	09.10→		0 986 357 286	B 286
750	0,8	25	156 A4.048 <M3>	07.90-03.03		0 986 356 853	B 853
900	0,9	29	1170 A1.046 <M10>	04.92-09.03		0 986 357 096	B 096
1000	1,0	33	141 C2.000 <M11>				
			Mot.-Nr. 5524924→	01.95-09.03	MAR	0 986 356 754	B 754
			156 A2.246 <M7/M16>				
			Mot.-Nr. →5524923	07.90-03.97	MAR		
			Mot.-Nr. 5524924→	07.90-03.97	MAR	0 986 356 754	B 754
		33/35	156 A2.000 <M5>; 156 A2.100 <M6>	07.90-03.97		0 986 356 853	B 853
		37	156 A3.000 <M1>	07.90-12.95		0 986 356 853	B 853
1100	1,1	37	156 C.046 <M3>				
			Mot.-Nr. →5524923	01.93-12.94	MAR		
			Mot.-Nr. 5524924→	01.93-12.94	MAR	0 986 356 754	B 754
			156 C.046 <M9>				
			Mot.-Nr. →5524923	01.93-03.97	MAR		
			Mot.-Nr. 5524924→	01.93-03.97	MAR	0 986 356 754	B 754
			187 A1.000 <M15>	12.00-09.03		0 986 357 800	BS800
		40	176 B2.000 <M4>				
			Mot.-Nr. 5524924→	01.95-09.03	MAR	0 986 356 754	B 754
			176 B2.000 <M12>	01.95-09.03	ZMM	0 986 356 818	B 818
			Mot.-Nr. 5524924→	01.95-09.03	MAR	0 986 356 754	B 754
Petra							
1.2	1,2	59	188 A5.000 <M10>	03.03-12.12		0 986 357 181	B 181
1.6	1,6	76	182 B6.000 <M21>	07.02-12.12		0 986 357 261	B W261
					WW	0 986 356 787	B 787
Punto							
1.1	1,1	40	176 B2.000 <M1>	05.97-08.99		0 986 356 754	B 754
1.2	1,2	44	188 A4.000 <M1>				
			Mot.-Nr. →2935743	07.03-12.10		0 986 357 800	BS800
			Mot.-Nr. 2935744→	07.03-12.10		0 986 357 287	B 287
			188 A4.000 <M1/M2>				
			Mot.-Nr. →2935743	07.03-12.10		0 986 357 800	BS800
			Mot.-Nr. 2935744→	07.03-12.10		0 986 357 287	B 287
			188 A4.000 <M1/M2/M3>	07.99-06.03		0 986 357 800	BS800
			188 A4.000 <M3>				
			Mot.-Nr. →2935743	08.07-12.10		0 986 357 800	BS800
			Mot.-Nr. 2935744→	08.07-12.10		0 986 357 287	B 287
			188 A4.000 <M4>				
			Mot.-Nr. →2935743	07.03-12.10		0 986 357 800	BS800
			Mot.-Nr. 2935744→	07.03-12.10		0 986 357 287	B 287
		48/49	199 A4.000; 199 A4.000 <ECOCF4; M4>; 199 B9.000	10.09→		0 986 357 286	B 286
		50-51	169 A4.000; 169 A4.000 <ECOCF5>	09.10→		0 986 357 286	B 286





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Panda

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0 986 356 058 0 986 356 057 0 986 356 056 0 986 356 055

0 986 356 004

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0 986 356 034 0 986 356 034 0 986 356 033 0 986 356 032

0 986 356 267 0 986 356 266 0 986 356 265 0 986 356 264

0 986 356 058 0 986 356 057 0 986 356 056 0 986 356 055

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0 986 356 004

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0 986 356 131 0 986 356 130 0 986 356 130 0 986 356 129

0 986 356 267 0 986 356 266 0 986 356 265 0 986 356 264

Petra

Punto

0 986 356 267 0 986 356 266 0 986 356 265 0 986 356 264

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l/100km		kW		Typ		SET	

FIAT

1.2	1,2	59	188 A4.000 <M4>	11.02-06.03		0 986 357 800	BS800
			188 A5.000 <M5/CF2>; 188 A5.000 <M6>; 188 A5.000 <M6/CF3>	07.99-12.10		0 986 357 181	B 181
1.4	1,4	55/56-66	199 A7.000; 350 A1.000; 350 A1.000 <M11>	10.09→		0 986 357 286	B 286
		64		08.10-07.12		F 000 99C 130	CS
55	1,1	40	176 A6.000 <M1>; 176 A6.000 <M6>; 176 B2.000 <M1>; 176 B2.000 <M6>	08.93-08.99		0 986 356 754	B 754
60	1,2	43/44	176 A7.000 <M2>; 176 B1.000 <M5>; 176 B4.000 <M2>; 176 B4.000 <M7>	08.93-08.99		0 986 356 754	B 754
75	1,2	54	176 A8.000 <M3>	08.93-08.99		0 986 356 754	B 754
85	1,2	63	176 B9.000 <M4>	05.97-08.99		0 986 357 258	B W258
90	1,6	65	176 A9.000 <M4>	01.94-04.97		0 986 356 738	B 738
Punto Grande							
1.2	1,2	48/51	169 A4.000; 199 A4.000 <M4>	10.05-12.11		0 986 357 286	B 286
1.4	1,4	55/56/57	199 A7.000 <M12>; 350 A1.000 <M7>; 350 A1.000 <M11>; 350 A1.000 <M18>	10.05-12.11		0 986 357 286	B 286
Qubo							
1.4	1,4	51-57	350 A1.000 <M18>	10.09→	EU4	0 986 357 286	B 286
Quobo							
1.4	1,4	54-57	350 A1.000	09.14→		0 986 357 286	B 286
Seicento							
900	0,9	29	1170 A1.046 <M1>	03.98-12.03		0 986 356 717	B 717
1100	1,1	40	176 B2.000 <M2-SPI>	03.98-12.03		0 986 356 754	B 754
			187 A1.000 <M3-MPI>	09.00-04.06		0 986 357 800	BS800
				05.06-12.10		0 986 357 287	B 287
Siena							
1.0	1,0	54-55	310 A 1011 <Fire>	01.10-06.12		F 000 99C 130	CS
1.2	1,2	44/54	178 B5.000 <M5>; 178 B5.000 <M7>; 178 B5.000 <M11>; 178 B7.045 <M8>; 178 C4.066 <M5>; 178 C4.066 <M6>	01.98-03.04		0 986 356 754	B 754
1.4	1,4	60	<Fire>	08.10→		F 000 99C 130	CS
1.6	1,6	76	178 B3.000 <M25>; 178 D2.011 <M27>; 182 B6.000 <M20>; 182 B6.000 <M28>	04.97-03.04		0 986 357 261	B W261
					WW	0 986 356 787	B 787
Strada							
1.2	1,2	44	178 B5.000 <M1>	03.99-03.05		0 986 356 754	B 754
		54	188 A4.000 <M2>; 188 A4.000 <M3>	05.01-06.05		0 986 357 800	BS800
1.4	1,4	60	178F3011 <Fire>	08.08-06.09		F 000 99C 130	CS
1.6	1,6	74	178 D2.011 <M27>	07.05→	WW	0 986 356 787	B 787
Tempra							
1.4	1,4	51	160 A1.046 <M1>	04.93-12.96		0 986 356 846	B 846
		56	159 A2.000 <M6>	04.93-12.96		0 986 356 792	B 792
1.6	1,6	55	159 A3.048 <M3>	04.93-12.96	KL	0 986 356 846	B 846
					KL	0 986 356 718	B 718
		62	159 A3.000 <M4>	04.93-12.96		0 986 356 846	B 846
			159 A3.098 <M8>	04.93-12.96		0 986 356 846	B 846
		66	159 B9.000 <M5>	05.94-12.96		0 986 356 738	B 738
						0 986 356 861	B 861
1.8	1,8	77	159 A4.046 <M1>	04.93-12.96		0 986 356 861	B 861
2.0	2,0	81/83-85	159 A6.011 <M6>; 159 A6.046 <M2>	04.93-12.96		0 986 356 861	B 861
Tipo							
1.4	1,4	51	160 A1.046 <M1>; 836 A4.000 <M7>	03.93-10.95		0 986 356 718	B 718
1.8	1,8	66/71/77	835 C2.000 <M1>; 835 C4.000 <M4>; 836 A5.000 <M7>; 836 A6.000 <M8>	03.93-10.95		0 986 356 861	B 861
2.0	2,0	85	159 A6.011 <M5>; 159 A6.046 <M2>	03.93-10.95		0 986 356 861	B 861
		104	836 A3.000 <M3>	03.93-10.95		0 986 356 791	B 791
Ulysse							
2.0	2,0	90/110	RFU <M1>; RGX <M2>	09.94-05.00		0 986 357 098	B 098
Uno							
0.9	0,9	33	146 A... <M1>	09.89-03.94		0 986 357 146	B 146
1.0	1,0	32/33	146 A2.166 <M10>; 156 A2.100 <M5>; 156 A2.246 <M6>	09.89-03.94		0 986 356 853	B 853
		33	146 A2.166 <M1>	01.98-05.00		0 986 356 853	B 853
1.1	1,1	37,5	156 C.046 <M7>	09.89-03.94			
		40	160 A3.000 <M6>	01.98-12.03		0 986 356 853	B 853
		41	160 A3.000 <M4>	09.90-05.96		0 986 356 853	B 853
				01.99-12.00		0 986 356 853	B 853
		1.2	1,2	44	178 D5.066 <M5>	04.00-03.04	



1	2	3	4	5	6	7	8
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264				
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264				
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264				
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264				
Punto Grande							
Qubo							
Quobo							
Seicento							
0 986 356 032	0 986 356 032	0 986 356 033	0 986 356 033				
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264				
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264				
Siena							
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264				
Strada							
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264				
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264				
Tempra							
							0 986 356 038
0 986 356 017	0 986 356 032	0 986 356 034	0 986 356 034				0 986 356 049
							0 986 356 038
							0 986 356 038
							0 986 356 038
0 986 356 025	0 986 356 023	0 986 356 021	0 986 356 021				0 986 356 040
0 986 356 025	0 986 356 023	0 986 356 021	0 986 356 021				0 986 356 040
Tipo							
0 986 356 025	0 986 356 023	0 986 356 021	0 986 356 021				0 986 356 040
0 986 356 025	0 986 356 023	0 986 356 021	0 986 356 021				0 986 356 040
Ulysse							
Uno							
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055				0 986 356 004
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055				0 986 356 004
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055				0 986 356 004
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055				0 986 356 004
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055				0 986 356 004
0 986 356 058	0 986 356 057	0 986 356 056	0 986 356 055				0 986 356 004
0 986 356 267	0 986 356 266	0 986 356 265	0 986 356 264				



							
l/ccm		kW		Typ		SET	

FIAT

1.3	1,3	50	<Fire>	01.09→	F 000 99C 130	CS
1.4	1,4	51	146 C2.028 <M4>	01.98-12.10	0 986 356 718	B 718
		51/52	160 A1.046 <M4>; 160 A1.048 <M5>	09.89-03.94	0 986 356 718	B 718
		52	146 C1.000	05.95-05.96	0 986 357 146	B 146
1.5	1,5	55	149 C1.000 <M6>	09.89-03.94	0 986 356 718	B 718
500						
1.2	1,2	51	169 A4.000; 169 A4.000 <M8>	07.07→	0 986 357 286	B 286

FORD

Cougar

2.0	2,0	96	EDBA <ZH20 Zetec E DOHC>; EDBB <ZH20 Zetec E DOHC>; EDBC <ZH20 Zetec E DOHC>; EDBD <ZH20 Zetec E DOHC>	08.98-12.00	0 986 357 141	B 141
2.5	2,5	125/147-151	LCBA <MP25 Duratec-VE SEFI>; LCBB <MP25 Duratec-VE SEFI>; LCBC <MP25 Duratec-VE SEFI>; LCBE <MP25 Duratec-VE SEFI>; MABB <MP25 Duratec-VE SEFI>	08.98-12.00	0 986 356 959	B 959

Escort

1.6	1,6	65	<ZETEC, CFI>	12.97-01.00	0 986 356 805	B 805
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Escort RS

2000	2,0	110	N7A <DOHC 16V EFI>	09.91-08.96	0 986 356 833	B 833
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Escort VII

1.3	1,3	44	J4B <Endura-E SEFI>; J6A <HCS CFI HC>	01.95-09.01	0 986 357 257	B W257
1.4	1,4	54	F4B <HL14 CVH, PTE/SEFI>	01.95-09.01	0 986 356 887	B 887
1.6	1,6	65/66	L1E <ZETEC>; L1H <ZETEC>; L1K <ZH16, ZETEC-E>	01.95-09.01	0 986 356 805	B 805
		66	L7 <ZETEC, CFI>	08.96-01.00	0 986 356 805	B 805
1.8	1,8	77	RDA <ZH18, ZETEC>	01.95-09.01	0 986 356 805	B 805
		85	RKC <ZETEC>	09.96-01.00	0 986 356 805	B 805
			RKC <ZH18, ZETEC-E>	09.95-09.01	0 986 356 805	B 805
			<ZETEC>	09.96-01.00	0 986 356 805	B 805

Escort VII Express

1.4	1,4	54	F4B <HL14 CVH, PTE/SEFI>	01.95-09.01	0 986 356 887	B 887
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Escort V/VI

1.1	1,1	40	GUF <HCS 2V HC>	08.90-12.94	0 986 356 700	B 700
1.3	1,3	44/46	JBD <HCS 2V HC>; JBE <HCS 2V HC>; J6A <HCS CFI HC>	08.90-12.94	0 986 356 700	B 700
1.4	1,4	52	F6F <CVH CFI LC>; F6G <CVH CFI LC>	08.90-12.94	0 986 356 887	B 887
		54	FUH <CVH 2V LC>	08.90-12.94	0 986 356 887	B 887
		54-55	F4B <HL14 CVH, PTE/SEFI>	07.93-12.94	0 986 356 887	B 887
1.6	1,6	65/66	L1E <ZETEC>; L1H <ZETEC>	09.92-12.94	0 986 356 805	B 805
		66	LUJ <CVH 2V HC>; LUK <CVH 2V HC>	08.90-12.94	0 986 356 887	B 887
1.8	1,8	77/96	RDA <ZH18, ZETEC>; RQB <ZETEC>	02.92-12.94	0 986 356 805	B 805

Escort V/VI Express

1.3	1,3	46	JBD <HCS 2V HC>	08.90-12.94	0 986 356 700	B 700
1.4	1,4	52	F6F <CVH CFI LC>; F6G <CVH CFI LC>	08.90-12.94	0 986 356 887	B 887

Escort XR3/XR3i

1.6	1,6	65-66	L1E <ZETEC>; L1H <ZETEC>; L1K <ZH16, ZETEC-E>	01.95-09.01	0 986 356 805	B 805
1.8	1,8	77/85/96	RDA <ZH18, ZETEC>; RKC <ZH18, ZETEC-E>; RQB <ZETEC>	02.92-09.01	0 986 356 805	B 805

Fiesta III

1.1	1,1	36-37/40	GU... <HCS 2V HC>; G6A <HCS CFI HC>	03.89-12.96	0 986 356 700	B 700
1.3	1,3	43-44	JBC <HCS 2V HC>; J6B <HCS CFI HC>	06.91-12.96	0 986 356 700	B 700
1.4	1,4	52	F6E <CVH CFI HC>	09.89-12.96	0 986 356 887	B 887
		54-55	F4A <CVH EFI HC>	01.94-12.96	0 986 356 887	B 887
		54/55	FU... <CVH 2V LC>; FUF <CVH 2V HC>	09.89-12.96	0 986 356 887	B 887
1.6	1,6	65-66	L1G <ZH SEFI>	02.94-12.96	0 986 356 805	B 805
		66	LUH <CVH 2V HC>	09.89-12.96	0 986 356 887	B 887
		76/81/96-98	LHA <CVH EFI HC>; LJC <CVH EFI HC>; LJD <CVH EFI HC>	09.89-12.96	0 986 356 849	B 849
1.8	1,8	77/93-96	RDA <ZH18, ZETEC>; RDB <ZH SEFI>; RQC <ZH SEFI>	02.92-12.96	0 986 357 245	B 245

Fiesta III Courier

1.3	1,3	44	JBC <HCS 2V HC>; J6B <HCS CFI>	09.91-08.96	0 986 356 700	B 700
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Fiesta IV

1.25	1,2	55	DH... <ZH12, Zetec-SE>	11.95-05.98	0 986 356 805	B 805
				06.98-12.02	0 986 357 208	B 208



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500

FORD

Cougar

Escort

0 986 356 146 0 986 356 147 0 986 356 148 0 986 356 148

Escort RS

Escort VII

0 986 356 107 0 986 356 106 0 986 356 105
 0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146
 0 986 356 146 0 986 356 147 0 986 356 148 0 986 356 148
 0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146
 0 986 356 146 0 986 356 147 0 986 356 148 0 986 356 148
 0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146
 0 986 356 146 0 986 356 147 0 986 356 148 0 986 356 148

Escort VII Express

0 986 356 107 0 986 356 106 0 986 356 105

Escort V/VI

0 986 356 274 0 986 356 103 0 986 356 103
 0 986 356 274 0 986 356 103 0 986 356 103
 0 986 356 107 0 986 356 106 0 986 356 105
 0 986 356 107 0 986 356 106 0 986 356 105
 0 986 356 107 0 986 356 106 0 986 356 105
 0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146
 0 986 356 107 0 986 356 106 0 986 356 105
 0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

Escort V/VI Express

0 986 356 274 0 986 356 103 0 986 356 103
 0 986 356 107 0 986 356 106 0 986 356 105

Escort XR3/XR3i

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146
 0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

Fiesta III

0 986 356 274 0 986 356 103 0 986 356 103
 0 986 356 274 0 986 356 103 0 986 356 103
 0 986 356 107 0 986 356 106 0 986 356 105
 0 986 356 107 0 986 356 106 0 986 356 105
 0 986 356 107 0 986 356 106 0 986 356 105
 0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146
 0 986 356 107 0 986 356 106 0 986 356 105
 0 986 356 114 0 986 356 113 0 986 356 112 0 986 356 111

0 986 356 148 0 986 356 148 0 986 356 147 0 986 356 146

Fiesta III Courier

0 986 356 274 0 986 356 103 0 986 356 103

Fiesta IV

0 986 356 147 0 986 356 148 0 986 356 148 0 986 356 146



							
	l/100km	kW	Typ			SET	

◀ FORD

1.3	1,3	37/44	JJ... <BL13, Endura-E, SEFI>; J4... <BL13, Endura-E, SEFI>	11.95-08.98 09.98-12.02	ZMM	0 986 357 257 0 986 357 221	B W257 B 221
1.4	1,4	66	FH... <ZH14, Zetec-SE, SEFI>	01.96-05.98 06.98-12.00		0 986 356 805 0 986 357 208	B 805 B 208
1.6	1,6	76	L1... <ZH16 Zetec-SE, SEFI>	02.00-12.02		0 986 357 208	B 208
Fiesta IV Courier							
1.3	1,3	44	J4... <BL13, Endura-E, SEFI>	11.95-08.98 09.98-12.02	ZMM	0 986 357 257 0 986 357 221	B W257 B 221
1.4	1,4	66	FH... <ZH14, Zetec-SE, SEFI>	01.96-05.98 06.98-12.00		0 986 356 805 0 986 357 208	B 805 B 208
Fiesta V							
1.25	1,2	51/55	FUJ... <Euro3>; M7J... <Duratec 16V SFI>	12.02-01.07		0 986 357 208	B 208
1.4	1,4	56-59	FXJ... <Euro4>	11.01-01.07		0 986 357 208	B 208
1.6	1,6	74	FYJ... <Euro4>	11.01-01.07		0 986 357 208	B 208
2.0	2,0	110	N4JB <Duratec 16V SFI>	11.04-09.08		0 986 357 271	B 271
Focus C-Max							
1.6	1,6	74/85	HWD... <Euro3/Euro4>; HXDA <ZH16,Zetec-SE,TI-VCT>; SIDA <Duratec-16V HPDC>	09.03-03.07		0 986 357 208	B 208
Focus I [99]							
1.4	1,4	55	FXD... <ZH14,Zetec-SE,SFI>; FXDA <ZH14,Zetec-SE,SFI>; FXDB <ZH14,Zetec-SE,SFI>; FXDC <ZH14,Zetec-SE,SFI>; FXDD <ZH14, Zetec-SE,SFI>	08.98-05.05		0 986 357 208	B 208
1.6	1,6	74	FYD... <ZH16,Zetec-SE,SFI>	08.98-05.05		0 986 357 208	B 208
			FYDA <ZH16,Zetec-SE,SFI>	11.98-05.05		0 986 357 208	B 208
			FYDB <ZH16,Zetec-SE,SFI>	11.98-05.05		0 986 357 208	B 208
			FYDC <ZH16,Zetec-SE,SFI>	11.98-05.05		0 986 357 208	B 208
			FYDD <ZH16,Zetec-SE,SFI>	11.98-05.05		0 986 357 208	B 208
		74-77	FYDH <ZH16 (FLEXFUEL)>	10.01-05.05		0 986 357 208	B 208
1.8	1,8	85	EYD... <ZH18,Zetec-E,SFI>; EYDB <ZH18,Zetec-E,SFI>; EYDC <ZH18,Zetec-E,SFI>; EYDD <ZH18,Zetec-E,BI-FUEL>; EYDE <ZH18,Zetec-E,SFI>; EYDF <ZH18,Zetec-E,SFI>; EYDG <ZH18, Zetec-E,BI-FUEL>; EYDI <ZH18,Zetec-E,BI-FUEL>; EYDJ <ZH18, Zetec-E,BI-FUEL>; EYDL <ZH18,Zetec-E,BI-FUEL>	08.98-05.05		0 986 357 141	B 141
2.0	2,0	96/127/158	ALDA <Duratec-ST>; EDD... <ZH20,Zetec-E,SFI>; EDDB <ZH20, Zetec-E,SFI>; EDDC <ZH20,Zetec-E,SFI>; EDDD <ZH20,Zetec-E, SFI>; EDDF <ZH20,Zetec-E,SFI>; HMDA <Duratec-RS>	08.98-05.05		0 986 357 141	B 141
Focus II [04;08]							
1.4	1,4	59	ASD... <Euro4>	07.04-03.07		0 986 357 208	B 208
1.6	1,6	74/85	HWD... <Euro3/Euro4>; HXD... <ZH16,Zetec-SE,TI-VCT>; SHDA <Euro4>	07.04-03.07		0 986 357 208	B 208
Fusion							
1.25	1,2	55	FUJ... <Euro3>	03.05-01.07		0 986 357 208	B 208
1.4	1,4	59	FXJ... <Euro4>	10.02-01.07		0 986 357 208	B 208
1.6	1,6	74	FYJ... <Euro5>	10.02-01.07		0 986 357 208	B 208
Galaxy							
2.0	2,0	85	NSE <DL20 DOHC,SEFI>	02.95-03.00		0 986 357 090	B 090
2.3	2,3	103/107	E5SA <DH23 DOHC, 16V-SEFI>; E5SB <DH23 DOHC, 16V-SEFI>	04.00-08.06		0 986 357 090	B 090
		107	Y5B <DH23 DOHC, 16V-SEFI>	01.97-03.00		0 986 356 833	B 833
2.8	2,8	128	AAA <VV28, CD-VR6 SEFI>	02.95-04.98		0 986 356 384	B 384
			AMY <VV28, CD-VR6 SEFI>	04.98-03.00		0 986 356 384	B 384
Granada III							
2.0	2,0	85	N9F <DL20 DOHC EFI>	02.92-09.94		0 986 356 802	B 802
					WW	0 986 357 235	B 235
2.4	2,4	92	ARD <TV24 V6 EFI EC>	02.92-09.94		0 986 356 879	B 879
2.9	2,9	107	BR... <TV29 EFI MC>; BRF <TV29 V6 EFI MC>	02.92-09.94		0 986 356 879	B 879
		143	BOA <CP29 DOHC 24V>	02.92-09.94		0 986 356 870	B 870
Ka							
1.3	1,3	36/37	JJB <HCS,Endura-E SEFI>; JJD <HCS,Endura-E SEFI>; JJF <HCS, Endura-E SEFI>; JJG <HCS,Endura-E SEFI>; JJH <HCS,Endura-E SEFI>; JJJ <HCS,Endura-E SEFI>	09.96-09.98 10.98-10.02	ZMM	0 986 357 257 0 986 357 221	B W257 B 221
		44	J4D <HCS,Endura-E SEFI>; J4K <HCS,Endura-E SEFI>; J4M <HCS, Endura-E SEFI>; J4N <HCS,Endura-E SEFI>; J4P <HCS,Endura-E SEFI>; J4S <HCS,Endura-E SEFI>	09.96-10.02		0 986 357 257	B W257





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Fiesta IV Courier

0 986 356 147 0 986 356 148 0 986 356 148 0 986 356 146

Fiesta V

Focus C-Max

Focus I [99]

Focus II [04;08]

Fusion

Galaxy

0 986 356 113 0 986 356 113 0 986 356 111 0 986 356 112

0 986 357 717 0 986 357 716 0 986 357 716 0 986 357 715 0 986 357 715 0 986 357 714

0 986 357 717 0 986 357 716 0 986 357 716 0 986 357 715 0 986 357 715 0 986 357 714

Granada III

0 986 356 108 0 986 356 109

0 986 356 118 0 986 356 117 0 986 356 116 0 986 356 117 0 986 356 116 0 986 356 116 0 986 356 099

0 986 356 118 0 986 356 117 0 986 356 116 0 986 356 117 0 986 356 116 0 986 356 116 0 986 356 099

Ka



							
l/100km		kW		Typ		SET	

◀ FORD

Maverick

2.0	2,0	91-97	YF <Zetec-E SEFI>	10.00-12.03		0 986 357 141	B 141
2.4	2,4	85/87/91	KA24 <OHC>	06.93-12.98		0 986 356 807	B 807
					WW	0 986 357 236	B 236

Mondeo I [93]

1.6	1,6	65/66	L1... <ZH16,ZETEC>; L1F <ZH16,ZETEC>; L1J <ZH16,ZETEC>	01.93-07.96		0 986 356 805	B 805
		70	L1L <ZH16, ZETEC-E>	08.98-09.00		0 986 357 141	B 141
1.8	1,8	82/85	RKA <ZH18,ZETEC>; RKB <ZH18, ZETEC-E>; RKB <ZH18,ZETEC-E>	01.93-07.96		0 986 356 805	B 805
2.0	2,0	97-100	NGA <ZH20, ZETEC-E>	01.93-07.96		0 986 356 805	B 805
2.5	2,5	125	SEA <MP25, DURATEC-VE>	08.94-07.96		0 986 356 959	B 959

Mondeo II [97]

1.6	1,6	65-66	L1J <ZH16,ZETEC>	08.96-04.98		0 986 356 805	B 805
				05.98-08.98		0 986 357 141	B 141
		70	L1... <ZH16, ZETEC-E>	08.98-09.00		0 986 357 141	B 141
			L1L <ZH16, ZETEC-E>	08.98-09.00		0 986 357 141	B 141
			L1N <ZH16, ZETEC-E>; L1Q <ZH16, ZETEC-E>	08.98-09.00		0 986 357 141	B 141
1.8	1,8	85	RK... <ZH18, ZETEC-E>; RKB <ZH18, ZETEC-E>	08.96-04.98		0 986 356 805	B 805
				05.98-09.00		0 986 357 141	B 141
			RKF <ZH18, ZETEC-E>; RKH <ZH18, ZETEC-E>; RKJ <ZH18, ZETEC-E>	08.98-09.00		0 986 357 141	B 141
			RKK <ZH18, ZETEC-E>	08.96-04.98		0 986 356 805	B 805
				05.98-09.00		0 986 357 141	B 141
2.0	2,0	96	NG... <ZH20, ZETEC-E>; NGA <ZH20, ZETEC-E>	08.96-04.98		0 986 356 805	B 805
				05.98-09.00		0 986 357 141	B 141
			NGB <ZH20, ZETEC-E>	08.98-09.00		0 986 357 141	B 141
			NGC <ZH20, ZETEC-E>; NGD <ZH20, ZETEC-E>	08.96-04.98		0 986 356 805	B 805
				05.98-09.00		0 986 357 141	B 141
2.5	2,5	125	SE... <MP25, DURATEC-VE>; SEA <MP25, DURATEC-VE>; SEB <MP25, DURATEC-VE>; SEC <MP25, DURATEC-VE>	08.96-09.00		0 986 356 959	B 959

Mondeo III [01]

1.8	1,8	81/92	CGB... <Duratec-HE SFI>; CGBA <Duratec-HE SFI>; CGBB <Duratec-HE SFI>; CHB... <Duratec-HE SFI>; CHBA <Duratec-HE SFI>; CHBB <Duratec-HE SFI>	10.00-03.07		0 986 357 271	B 271
2.0	2,0	107	CJB... <Duratec-HE SFI>; CJBA <Duratec-HE SFI>; CJB B <Duratec-HE SFI>	10.00-03.07		0 986 357 271	B 271

Mondeo IV [07]

1.6	1,6	81/92	PNBA <Euro4>; RHBA <Euro4>	02.07-03.07		0 986 357 208	B 208
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Probe

2.0	2,0	85-88	FS	11.94-08.97		0 986 357 241	B 241
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Puma

1.4	1,4	66	FHD <ZH14,Zetec-SE,SEFI>; FHF <ZH14,Zetec-SE,SEFI>	01.98-05.98		0 986 356 805	B 805
				05.98-11.00		0 986 357 208	B 208
1.6	1,6	75	L1W <ZH16,Zetec-SE SFI>	08.00-12.01		0 986 357 208	B 208
1.7	1,7	92	MHA <ZH17,Zetec-S,VCT>; MHB <ZH17,Zetec-S,VCT>	06.97-04.00		0 986 356 805	B 805
				05.00-12.01		0 986 357 208	B 208

Scorpio I

2.0	2,0	85	N9F <DL20 DOHC EFI>	02.92-09.94		0 986 356 802	B 802
					WW	0 986 357 235	B 235
		88-90	N9... <DL-DOHC EFI>	02.92-09.94		0 986 356 802	B 802
2.4	2,4	92	ARD <TV24 V6 EFI EC>	02.92-09.94		0 986 356 879	B 879
2.9	2,9	107	BRF <TV29 V6 EFI MC>	02.92-09.94		0 986 356 879	B 879
		143	BOA <CP29 DOHC 24V>	02.92-09.94		0 986 356 870	B 870

Scorpio II

2.0	2,0	85	NSD <DL20 DOHC SEFI>	10.94-12.98		0 986 357 051	B 051
		100	N3A <DH20 DOHC SEFI>	10.94-04.96		0 986 356 833	B 833
2.3	2,3	108	Y5A <DH23 DOHC SEFI>	05.96-12.98		0 986 356 833	B 833

Taurus

1.6	1,6	52		10.88-12.99			
2.0	2,0	74-75	NER <OHC>	10.89-12.99			

Tourneo Connect

1.8	1,8	81-85	EYPA <Euro3>; EYPC <Euro3>	05.02-06.10		0 986 357 141	B 141
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Transit

FT 080	2,0	84	NSF <DOHC 8V SEFI>; NSG <DOHC 8V SEFI>	08.94-07.00		0 986 357 051	B 051
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1	2	3	4	5	6	7	8	
								Maverick
0 986 356 002	0 986 356 004	0 986 356 004	0 986 356 006					0 986 356 042
								Mondeo I [93]
0 986 356 148	0 986 356 148	0 986 356 147	0 986 356 146					
0 986 356 146	0 986 356 147	0 986 356 148	0 986 356 148					
0 986 356 148	0 986 356 148	0 986 356 147	0 986 356 146					
0 986 356 148	0 986 356 148	0 986 356 147	0 986 356 146					
								Mondeo II [97]
0 986 356 148	0 986 356 148	0 986 356 147	0 986 356 146					
0 986 356 146	0 986 356 147	0 986 356 148	0 986 356 148					
0 986 356 146	0 986 356 147	0 986 356 148	0 986 356 148					
0 986 356 148	0 986 356 148	0 986 356 147	0 986 356 146					
0 986 356 148	0 986 356 148	0 986 356 147	0 986 356 146					
0 986 356 148	0 986 356 148	0 986 356 147	0 986 356 146					
0 986 356 148	0 986 356 148	0 986 356 147	0 986 356 146					
0 986 356 148	0 986 356 148	0 986 356 147	0 986 356 146					
								Mondeo III [01]
								Mondeo IV [07]
								Probe
								Puma
0 986 356 147	0 986 356 148	0 986 356 148	0 986 356 146					
0 986 356 147	0 986 356 148	0 986 356 148	0 986 356 146					
								Scorpio I
0 986 356 108	0 986 356 109							
0 986 356 108	0 986 356 109							
0 986 356 118	0 986 356 117	0 986 356 116	0 986 356 117	0 986 356 116	0 986 356 116			
0 986 356 118	0 986 356 117	0 986 356 116	0 986 356 117	0 986 356 116	0 986 356 116			0 986 356 099
								Scorpio II
								Taurus
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120					0 986 356 098
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120					0 986 356 098
								Tourneo Connect
								Transit



							
/ccm							
kW							
Typ							
SET							

FORD

FT 100	2,0	84	NSF <DOHC 8V SEFI>; NSG <DOHC 8V SEFI>	08.94-07.00		0 986 357 051	B 051
FT 120	2,0	84	NSF <DOHC 8V SEFI>; NSG <DOHC 8V SEFI>	08.94-07.00		0 986 357 051	B 051
FT 150	2,0	84	NSF <DOHC 8V SEFI>; NSG <DOHC 8V SEFI>	08.94-07.00		0 986 357 051	B 051
FT 190	2,0	84	NSF <DOHC 8V SEFI>; NSG <DOHC 8V SEFI>	08.94-07.00		0 986 357 051	B 051
FT 260 K/S	2,3	103-107	E5FC <DOHC 16V BI-FUEL>	08.01-07.06	BO	0 986 356 833	B 833
FT 280 K/S	2,3	103-107	E5FC <DOHC 16V BI-FUEL>	08.01-07.06	BO	0 986 356 833	B 833
FT 280 L	2,3	103-107	E5FC <DOHC 16V BI-FUEL>	08.01-07.06	BO	0 986 356 833	B 833
FT 280 M	2,3	103-107	E5FC <DOHC 16V BI-FUEL>	08.01-07.06	BO	0 986 356 833	B 833
FT 300 K/S	2,3	107	E5FA <DOHC 16V SEFI>	12.00-07.06	BO	0 986 356 833	B 833
FT 300 L	2,3	107	E5FA <DOHC 16V SEFI>	12.00-07.06	BO	0 986 356 833	B 833
FT 300 M	2,3	107	E5FA <DOHC 16V SEFI>	12.00-07.06	BO	0 986 356 833	B 833
FT 330 K/S	2,3	103-107	E5FA <DOHC 16V SEFI>; E5FC <DOHC 16V BI-FUEL>	12.00-07.06	BO	0 986 356 833	B 833
FT 330 L	2,3	103-107	E5FA <DOHC 16V SEFI>; E5FC <DOHC 16V BI-FUEL>	12.00-07.06	BO	0 986 356 833	B 833
FT 330 M	2,3	103-107	E5FA <DOHC 16V SEFI>; E5FC <DOHC 16V BI-FUEL>	12.00-07.06	BO	0 986 356 833	B 833
FT 350 EL	2,3	103-107	E5FA <DOHC 16V SEFI>; E5FC <DOHC 16V BI-FUEL>	12.00-07.06	BO	0 986 356 833	B 833
FT 350 L	2,3	103-107	E5FA <DOHC 16V SEFI>; E5FC <DOHC 16V BI-FUEL>	12.00-07.06	BO	0 986 356 833	B 833
FT 350 M	2,3	103-107	E5FA <DOHC 16V SEFI>; E5FC <DOHC 16V BI-FUEL>	12.00-07.06	BO	0 986 356 833	B 833
1.8	1,8	81-85	EYPA <Euro3>; EYPC <Euro3>	05.02-06.10		0 986 357 141	B 141
2.0	2,0	65-66/72	NBA <TL20 OHC 2V HC>; NCA <TL20EFI OHC EFI>	08.91-07.94		0 986 357 129	B 129
		84	NS... <DOHC 8V SEFI>; NSF <DOHC 8V SEFI>; NSG <DOHC 8V SEFI>	08.94-07.00		0 986 357 051	B 051
2.9	2,9	104	BRT <TV29 EFI OHV>	08.91-07.94			

FSM

126							
P	0,7	18	650 (126 A 1)	12.94-12.00			

GAZ

GAZelle							
2.4	2,4	112	<DOHC>	07.05-03.13	0 986 357 052	B 052	
Sobol							
2.4	2,4	112	<DOHC>	01.94-04.13	0 986 357 052	B 052	
Volga							
2.4	2,4	112	EDZ <DOHC Euro 2>	07.05-12.08	0 986 357 052	B 052	

GREAT WALL

Haval							
2.4	2,4	100	4G69S4N	11.07-06.14	F 005 X13 900		

HOLDEN

Rodeo							
2.4	2,4	94	C24SE	03.03-06.08	F 005 X13 907		

HONDA

Accord							
2.0	2,0	110	F20B2	10.99-12.00	0 986 356 793	B 793	
2.3	2,3	101	F23A5	09.97-08.02	0 986 356 793	B 793	
Accord [CB/CC/CD/CE]							
2.0	2,0	85	F20Z2	03.93-09.95	0 986 356 776	B 776	
		96	F20Z1	03.93-09.95	0 986 356 793	B 793	
		98-100	F20B3 <iES>; F20B3 <iLS>	09.93-06.98	0 986 356 793	B 793	
		100	F20B3 <iES>; F20B3 <iLS>	09.93-08.96	0 986 356 776	B 776	
2.2	2,2	108-110	F22A7/8	01.91-06.94	0 986 356 721	B 721	



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0 986 356 119 0 986 356 119 0 986 356 120 0 986 356 120

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0 986 356 118 0 986 356 117 0 986 356 116 0 986 356 118 0 986 356 116 0 986 356 116

0 986 356 099

FSM

126

0 986 356 027 0 986 356 029

GAZ

GAZelle

Sobol

Volga

GREAT WALL

Haval

HOLDEN

Rodeo

HONDA

Accord

0 986 356 174 0 986 356 173 0 986 356 173 0 986 356 171

Accord [CB/CC/CD/CE]

0 986 356 174 0 986 356 173 0 986 356 173 0 986 356 171

0 986 356 174 0 986 356 173 0 986 356 173 0 986 356 171

0 986 356 174 0 986 356 173 0 986 356 173 0 986 356 171

0 986 356 171 0 986 356 172 0 986 356 173 0 986 356 174



							
l/ccm		kW		Typ		SET	

◀ HONDA

2.2	2,2	110	F22B4	09.95-12.01	0 986 356 776	B 776
			F22B5	09.93-09.97	0 986 356 793	B 793
				09.93-06.98	0 986 356 776	B 776
Accord [CE/CF]						
1.8	1,8	85	F18A3 <i/iS>	09.95-10.98	0 986 356 721	B 721
2.0	2,0	96	F20Z1	09.95-10.98	0 986 356 793	B 793
2.2	2,2	110	F22Z2	09.95-10.98	0 986 356 793	B 793
Accord [CG/CH/CL]						
1.6	1,6	85	D16B6	10.98-02.03	0 986 356 793	B 793
1.8	1,8	100	F18B2	10.98-02.03	0 986 356 793	B 793
2.0	2,0	108	F20B6	10.98-02.03	0 986 356 793	B 793
				01.99-08.02	0 986 356 793	B 793
2.3	2,3	113	F23Z5	12.99-02.03	0 986 356 793	B 793
				11.00-08.02	0 986 356 793	B 793
Civic						
1.5	1,5	66	D15Z3	09.95-08.00	0 986 356 721	B 721
1.6	1,6	92	D16Z9	01.94-12.95	0 986 356 721	B 721
Civic CRX [EG/EH]						
1.6	1,6	92/118	B16A; D16Y; D16Z	03.92-12.98	0 986 356 721	B 721
Civic [EC/ED/EE]						
1.6	1,6	85	D16A7	01.88-06.95	0 986 356 721	B 721
Civic [EG/EH]						
1.3	1,3	55	D13B2	10.91-09.95	0 986 356 721	B 721
1.5	1,5	66	D15B2; D15Z1	10.91-09.95	0 986 356 721	B 721
1.6	1,6	92	D16Z6	10.91-09.95	0 986 356 721	B 721
Civic [EJ/EK]						
1.4	1,4	55/66	D14A3; D14A4; D14Z1; D14Z2	10.95-02.01	0 986 356 721	B 721
1.5	1,5	74	D15B7	09.92-08.95	0 986 356 721	B 721
		84	D15Z6	10.95-02.01	0 986 356 721	B 721
1.6	1,6	84/118	D16B2; D16Y5	10.95-02.01	0 986 356 721	B 721
Civic [MA]						
1.4	1,4	55/66	D14A2; D14A3	09.94-01.97	0 986 356 721	B 721
1.5	1,5	66	D15Z3	09.94-01.97		
Civic [MB/MC]						
1.4	1,4	55/66	D14A7; D14A8; D14Z3; D14Z4	03.97-02.01	0 986 356 721	B 721
1.5	1,5	84	D15Z8	03.97-02.01	0 986 356 721	B 721
1.6	1,6	83/93	D16Y2; D16Y3	09.94-01.97	0 986 356 721	B 721
		85/93	D16B2; D16W3; D16W4	03.97-02.01	0 986 356 721	B 721
Concerto						
1.5	1,5	66	D15B2	08.89-03.95	0 986 356 721	B 721
1.6	1,6	77/82	D16Z1; D16Z2	08.89-03.95	0 986 356 721	B 721
		90-96	D16A8	08.89-03.95	0 986 356 867	B 867
CR-V						
2.0	2,0	96/97/110	B20B; B20Z1	10.95→	0 986 357 150	B 150
CR-V [RD]						
2.0	2,0	94-96/108	B20B4; B20Z1	10.95-07.02	0 986 357 150	B 150
HR-V						
1.6	1,6	77/92	D16W1; D16W2; D16W5	12.98-12.05	0 986 356 721	B 721
Logo						
1.3	1,3	48	D13B7	02.99-03.02	0 986 356 721	B 721
Prelude						
2.0	2,0	98	F20A4	02.92-12.99	0 986 356 776	B 776
2.3	2,3	118	H23A2	02.92-09.96	0 986 356 776	B 776
Shuttle						
2.2	2,2	107	F22B8	01.95-12.97	0 986 356 793	B 793
2.3	2,3	110	F23A7	01.98-05.01	0 986 356 793	B 793



							
1	2	3	4	5	6	7	8
0 986 356 174	0 986 356 173	0 986 356 173	0 986 356 171				
0 986 356 174	0 986 356 173	0 986 356 173	0 986 356 171				
0 986 356 174	0 986 356 173	0 986 356 173	0 986 356 171				
Accord [CE/CF]							
0 986 356 171	0 986 356 172	0 986 356 173	0 986 356 174				
0 986 356 174	0 986 356 173	0 986 356 173	0 986 356 171				
0 986 356 174	0 986 356 173	0 986 356 173	0 986 356 171				
Accord [CG/CH/CL]							
0 986 356 174	0 986 356 173	0 986 356 173	0 986 356 171				
0 986 356 174	0 986 356 173	0 986 356 173	0 986 356 171				
0 986 356 174	0 986 356 173	0 986 356 173	0 986 356 171				
0 986 356 174	0 986 356 173	0 986 356 173	0 986 356 171				
Civic							
0 986 356 174	0 986 356 173	0 986 356 172	0 986 356 171				
Civic CRX [EG/EH]							
0 986 356 171	0 986 356 172	0 986 356 173	0 986 356 174				
Civic [EC/ED/EE]							
0 986 356 174	0 986 356 173	0 986 356 172	0 986 356 171				
Civic [EG/EH]							
0 986 356 174	0 986 356 173	0 986 356 172	0 986 356 171				
0 986 356 171	0 986 356 172	0 986 356 173	0 986 356 174				
0 986 356 174	0 986 356 173	0 986 356 172	0 986 356 171				
Civic [EJ/EK]							
0 986 356 171	0 986 356 172	0 986 356 173	0 986 356 174				
0 986 356 174	0 986 356 173	0 986 356 172	0 986 356 171				
0 986 356 171	0 986 356 172	0 986 356 173	0 986 356 174				
0 986 356 171	0 986 356 172	0 986 356 173	0 986 356 174				
Civic [MA]							
0 986 356 171	0 986 356 172	0 986 356 173	0 986 356 174				
0 986 356 171	0 986 356 172	0 986 356 173	0 986 356 174				
Civic [MB/MC]							
0 986 356 171	0 986 356 172	0 986 356 173	0 986 356 174				
0 986 356 171	0 986 356 172	0 986 356 173	0 986 356 174				
0 986 356 171	0 986 356 172	0 986 356 173	0 986 356 174				
0 986 356 171	0 986 356 172	0 986 356 173	0 986 356 174				
Concerto							
0 986 356 171	0 986 356 172	0 986 356 173	0 986 356 174				
0 986 356 174	0 986 356 173	0 986 356 172	0 986 356 171				
0 986 356 174	0 986 356 173	0 986 356 172	0 986 356 171				
CR-V							
CR-V [RD]							
HR-V							
0 986 356 171	0 986 356 172	0 986 356 173	0 986 356 174				
Logo							
0 986 356 171	0 986 356 172	0 986 356 173	0 986 356 174				
Prelude							
0 986 356 174	0 986 356 173	0 986 356 173	0 986 356 171				
0 986 356 174	0 986 356 173	0 986 356 173	0 986 356 171				
Shuttle							
0 986 356 174	0 986 356 173	0 986 356 173	0 986 356 171				
0 986 356 174	0 986 356 173	0 986 356 173	0 986 356 171				



							
	l/100km	kW	Typ			SET	

HYUNDAI

Accent							
1.3	1,3	44	G4AH	05.99-09.02		0 986 356 898	B 898
		44/53/55/61-63	G4E-A; G4EH; G4EH <Kat. >	07.94-07.00		0 986 356 898	B 898
1.5	1,5	63/65-68/73	G4EK; G4EK <SOHC>; G4FK <DOHC>	07.94-07.99		0 986 356 898	B 898
		66	G4EB <SOHC Alpha>	08.99-03.06		0 986 356 898	B 898
		69	Alpha	10.99→		0 986 356 898	B 898
Atos							
0.8	0,8	39-42	G4HA <Epsilon>	09.97-08.00	MZV	0 986 356 990	B 990
				09.00-06.01	MZV	0 986 356 898	B 898
1.0	1,0	40	G4HC <Epsilon>	12.97-08.00	MZV	0 986 356 990	B 990
				09.00-06.01	MZV	0 986 356 898	B 898
		43	G4HC-E	07.01-04.03		0 986 356 898	B 898
1.1	1,1	43-46	G4H...	06.03-03.08		0 986 357 803	BS803
Atoz							
0.8	0,8	40	<SOHC>	07.98-07.03		0 986 AM0 320	
Coupé							
1.6	1,6	84-85	G4GR <Beta>	05.96-04.02		0 986 356 970	B 970
2.0	2,0	99-102	G4... <Beta>	05.96-04.02		0 986 356 970	B 970
		101-105	G4GC... <(B2) 20BT>	09.02-08.09		0 986 357 802	BS802
Elantra							
1.5	1,5	53/63-66	G4DJ; G4DJ <New Orion>	10.90-04.95		0 986 356 813	B 813
		65-68	G4EK <Alpha>	07.96-09.00		0 986 356 898	B 898
1.6	1,6	78-84	G4DJ <New Sirius>	10.90-04.95		0 986 356 974	B 974
		84	4G61	05.95-09.00		0 986 356 970	B 970
1.8	1,8	93	G4CN	06.92-04.95		0 986 356 974	B 974
		96/97	G4GB	06.00-09.11		0 986 357 802	BS802
		101	G4GM <Beta>	05.95-09.00		0 986 356 970	B 970
2.0	2,0	102-105	G4GC... <(B2) 20BT>	06.00-05.01		0 986 356 970	B 970
				09.02-09.06		0 986 357 802	BS802
		103-105	G4GC <(B2) 20BT>	08.06-06.11		0 986 357 802	BS802
Excel							
1.3	1,3	43	G4DG <New Orion>; G4DG <SOHC New Orion>	04.89-07.94		0 986 356 813	B 813
		49/53	SOHC New Orion <G4DG>; 4G 13	04.89-07.94		0 986 356 813	B 813
		55	G4EH	07.94-07.99		0 986 356 898	B 898
1.5	1,5	53/61-62	G4DJ	04.89-07.94		0 986 356 813	B 813
		62	4G 15	04.89-07.94		0 986 356 813	B 813
		65-68/73	G4EK; G4FK <DOHC>	07.94-07.99		0 986 356 898	B 898
Getz							
1.1	1,1	46-49	G4HD	09.02-04.03		0 986 356 898	B 898
1.3	1,3	60-63	G4E-A	09.02-08.05		0 986 356 898	B 898
H-1							
2.4	2,4	99-107	G4JS	06.01-09.06		0 986 356 991	B 991
Lantra							
1.5	1,5	53/63	G4DJ <New Orion>	10.90-04.95		0 986 356 813	B 813
		57	4G15	10.90-04.95		0 986 356 813	B 813
		65-68	G4EK <Alpha>	07.96-09.00		0 986 356 898	B 898
1.6	1,6	66/84	G4DJ <Beta>; G4GR <Beta>	05.95-09.00		0 986 356 970	B 970
		78-84	G4CR <New Sirius>	10.90-04.95		0 986 356 974	B 974
1.8	1,8	93	G4CN <New Sirius>	06.92-04.95		0 986 356 974	B 974
		94	G4GM <Beta>	05.95-09.00		0 986 356 970	B 970
2.0	2,0	102	G4GF <Beta>	08.96-09.00		0 986 356 970	B 970
Matrix							
1.8	1,8	90	G4GB-G <Beta>	09.02-04.10		0 986 357 802	BS802
Pony							
1.3	1,3	43/45-49	G4DG <New Orion>	04.89-07.94		0 986 356 813	B 813
		62	G4EH	07.94-07.99		0 986 356 898	B 898
1.5	1,5	53/61-62	G4DJ	04.89-07.94		0 986 356 813	B 813
Santa Fe							
2.0	2,0	100	G4JP	04.01-12.05		0 986 356 991	B 991





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HYUNDAI**Accent****Atos****Atoz****Coupé****Elantra****Excel****Getz****H-1****Lantra****Matrix****Pony****Santa Fe**

							
Typ							

◀ HYUNDAI

2.4	2,4	100/107	G4JS-G; G4JSX	02.00-12.05	0 986 356 991	B 991
Santamo						
2.0	2,0	102	G4CP	05.99-12.02	0 986 356 974	B 974
Santro						
1.0	1,0	40	G4HC	09.98-01.02	0 986 356 990	B 990
1.1	1,1	46-48	G4H... <Epsilon>	03.02→	0 986 356 898	B 898
Scoupe						
1.5	1,5	65-68	G4EK <Alpha>	07.92-04.95	0 986 356 813	B 813
		84-85	G4EK-TC <Alpha>	04.91-04.95		
				07.92-04.95	0 986 356 813	B 813
Sonata						
1.8	1,8	98	G4CM <New Sirius>	03.98-03.01	0 986 356 991	B 991
2.0	2,0	92/102/107	G4CP <New Sirius>	07.93-06.98	0 986 356 974	B 974
		96-98	G4JP	04.01-11.04	0 986 356 991	B 991
		100/108	G4CP	03.98-03.01	0 986 356 991	B 991
			G4CS	05.98-03.01	0 986 356 991	B 991
2.5	2,5	118/129	G6AV; G6BV	03.98-03.01	0 986 356 992	B 992
2.7	2,7	127-132	G6BA	04.01-01.06	0 986 356 992	B 992
3.0	3,0	107	G6AT	07.93-06.98	0 986 357 178	B 178
Stellar						
1.5	1,5	51	4G33	09.89-12.01		
Trajet						
2.0	2,0	100/103	G4GC... <(B2) 20BT>; G4JP-G	01.00-02.04	0 986 356 991	B 991
				03.04-06.07	0 986 357 802	BS802
2.7	2,7	127	G6BA...	01.00-06.07	0 986 356 992	B 992
Tucson						
2.0	2,0	104-105	G4GC	08.04-03.10	0 986 357 802	BS802
XG						
25	2,5	120	G6BV <Delta>	12.98-11.02	0 986 356 992	B 992

JAGUAR

Daimler						
4.2	4,2	123		01.84-10.95		
XJ 6						
3.6	3,6	165	AJ6	10.86-12.95	0 986 356 788	B 788
4.0	4,0	163/185	; 9 EPCNA	10.87-12.95	0 986 356 788	B 788

JEEP

Cherokee						
2.5	2,5	90		09.93-08.96		
Grand Cherokee						
4.0	4,0	130-135/	ERH; ERH <6L <S MPI>>	09.92-04.99	0 986 357 229	B 229
		142-145				
5.2	5,2	156	ELF,ELO <<Y MPI>>	09.92-04.99	0 986 357 118	B 118
5.9	5,9	177	EML,EMO <Z MPI>	01.97-04.99	0 986 357 118	B 118
Wagoneer						
4.0	4,0	125	6L <S MPI>	01.90-12.95	0 986 357 229	B 229

KIA

Capital						
1.8	1,8	70	F8	05.90-06.95	0 986 356 735	B 735
					ZMB	
					ZMS	
Carens						
2.0	2,0	102	G4GC	08.04-08.06	0 986 357 802	BS802
Cee'd						
2.0	2,0	105	G4GC	11.06-12.12	0 986 357 802	BS802

								
1	2	3	4	5	6	7	8	
								Santamo
								Santro
								Scoupe
	0 986 356 004	0 986 356 004	0 986 356 002					0 986 356 042
								Sonata
								Stellar
0 986 356 006	0 986 356 008	0 986 356 008	0 986 356 010					0 986 356 040
								Trajet
								Tucson
								XG
								JAGUAR
								Daimler
0 986 356 023	0 986 356 025	0 986 356 025	0 986 356 027	0 986 356 029	0 986 356 029			0 986 356 040
								XJ 6
								JEEP
								Cherokee
0 986 356 061	0 986 356 061	0 986 356 061	0 986 356 061					0 986 356 062
								Grand Cherokee
								Wagoneer
								KIA
								Capital
0 986 356 008	0 986 356 006	0 986 356 002	0 986 356 002					0 986 356 044
								0 986 356 033
								Carens
								Cee'd



							
l/ccm		kW		Typ		SET	

◀ KIA

Cerato							
2.0	2,0	105	G4GC	03.04-11.09	0 986 357 802	BS802	
Concord							
1.8	1,8	70	SOHC <Mazda-F8>	03.92-06.95			
Joice							
2.0	2,0	88/102	; G4CP	08.99-03.03	0 986 356 974	B 974	
Magentis							
2.0	2,0	100	G4JP	09.00-12.05	0 986 356 991	B 991	
2.5	2,5	124	G6BV	09.00-12.05	0 986 356 992	B 992	
Picanto							
1.0	1,0	45-46	G4HE	05.04-01.11	0 986 357 803	BS803	
1.1	1,1	48	G4HG	05.04-01.11	0 986 357 803	BS803	
Pride							
1.1	1,1	38	B1	01.91-01.00			
1.3	1,3	44-47/51/54	B3	01.90-02.00			
Pro Cee'd							
2.0	2,0	105	G4GC	03.08-12.12	0 986 357 802	BS802	
Sephia							
1.5	1,5	59	B5	09.96-12.97	0 986 356 735	B 735	
					ZMB		
					ZMS		
		68	B5	01.92-10.94	0 986 356 735	B 735	
					ZMB		
					ZMS		
1.6	1,6	59	B6	07.93-12.97	0 986 356 735	B 735	
					ZMB		
					ZMS		
Sorento							
2.4	2,4	102	G4JS	03.03-04.06	0 986 356 991	B 991	
Sportage							
2.0	2,0	87/94/95	FE; FED	04.94-08.04	0 986 357 203	B 203	
		104	G4GC	09.04-04.07	0 986 357 802	BS802	

LADA

Forma							
1.3	1,3	45		09.91-12.00	0 986 356 726	B 726	
1.5	1,5	53	BA3/21083	09.91-12.00	0 986 356 726	B 726	
Niva							
1.6	1,6	54	2121	01.87-03.95	0 986 356 768	B 768	
		56	1600	09.87-12.99	0 986 356 768	B 768	
		56-58	2121	12.76-12.96			
1.7	1,7	59-62	21214-10 <Euro 2>	07.96-12.99			
Riva							
1200	1,3	47	21012	11.85-12.95	0 986 356 828	B 828	
1300	1,3	49	21056	11.85-12.95	0 986 356 828	B 828	
1500	1,5	55	21026	11.85-12.95	0 986 356 828	B 828	
1600	1,6	63	21062	01.86-12.95	0 986 356 828	B 828	
Samara							
1.1	1,1	39/43	21081; 21081-10	01.84→	0 986 356 726	B 726	
1.3	1,3	45-48/50	2108	01.84→	0 986 356 726	B 726	
1.5	1,5	50	2111	03.93-12.00	0 986 356 726	B 726	
		50-53/55	; 2108	01.86→	0 986 356 726	B 726	
		52/57	21083	01.84→	0 986 356 726	B 726	
		60	2111	01.95→	0 986 357 163	B 163	ZVM
Serie 110							
1.5	1,5	54/56/57	2110 <R-83>; 2111/2111-12	01.96-12.04	0 986 356 726	B 726	
		68	2112	06.99-12.00	0 986 357 260	B 260	
Serie 111							
1.5	1,5	56	2110 <R-83>	01.96-12.04	0 986 356 726	B 726	
		68/70	2112; 2112-10/16	01.96-12.04	0 986 357 260	B 260	

1	2	3	4	5	6	7	8	
Cerato								
Concord								
0 986 356 025	0 986 356 023	0 986 356 019	0 986 356 019					
Joice								
Magentis								
Picanto								
Pride								
0 986 356 008	0 986 356 008	0 986 356 004	0 986 356 002	0 986 356 040				
0 986 356 008	0 986 356 008	0 986 356 004	0 986 356 002	0 986 356 040				
Pro Cee'd								
Sephia								
0 986 356 008	0 986 356 006	0 986 356 002	0 986 356 002	0 986 356 044				
				0 986 356 033				
0 986 356 008	0 986 356 006	0 986 356 002	0 986 356 002	0 986 356 044				
				0 986 356 033				
0 986 356 008	0 986 356 006	0 986 356 002	0 986 356 002	0 986 356 044				
				0 986 356 033				
Sorento								
Sportage								
LADA								
Forma								
0 986 356 116	0 986 356 117	0 986 356 117	0 986 356 118					
0 986 356 116	0 986 356 117	0 986 356 117	0 986 356 118					
Niva								
0 986 356 019	0 986 356 021	0 986 356 021	0 986 356 023	0 986 356 049				
0 986 356 019	0 986 356 021	0 986 356 021	0 986 356 023	0 986 356 049				
0 986 356 019	0 986 356 021	0 986 356 021	0 986 356 023	0 986 356 044				
0 986 356 002	0 986 356 004	0 986 356 006	0 986 356 008	0 986 356 046				
Riva								
0 986 356 021	0 986 356 021	0 986 356 023	0 986 356 025	0 986 356 044				
0 986 356 021	0 986 356 021	0 986 356 023	0 986 356 025	0 986 356 044				
0 986 356 021	0 986 356 021	0 986 356 023	0 986 356 025	0 986 356 044				
0 986 356 021	0 986 356 021	0 986 356 023	0 986 356 025	0 986 356 044				
Samara								
0 986 356 116	0 986 356 117	0 986 356 117	0 986 356 118					
0 986 356 116	0 986 356 117	0 986 356 117	0 986 356 118					
0 986 356 116	0 986 356 117	0 986 356 117	0 986 356 118					
0 986 356 116	0 986 356 117	0 986 356 117	0 986 356 118					
0 986 356 116	0 986 356 117	0 986 356 117	0 986 356 118					
Serie 110								
0 986 356 116	0 986 356 117	0 986 356 117	0 986 356 118					
Serie 111								
0 986 356 116	0 986 356 117	0 986 356 117	0 986 356 118					



							
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◀ LADA

Serie 112							
1.5	1,5	67/69	2112	01.96-12.04		0 986 357 260	B 260
Serie 115							
1.3	1,3	47	2114	01.98→		0 986 356 726	B 726
1.5	1,5	52	2114	01.98→		0 986 356 726	B 726
Serie 2100							
2106	1,6	55	2106 <Euro 2>	09.75→		0 986 356 828	B 828
2107-02	1,5	52	2103	01.86→	WCP	0 986 356 828	B 828
Serie 21000							
21061	1,5	48		01.82→		0 986 356 828	B 828
21063	1,3	48	21011	01.86→		0 986 356 828	B 828
21072	1,3	48		02.86→	WCP	0 986 356 828	B 828
21074	1,6	55	2106 <Euro 2>	05.82→	WCP	0 986 356 828	B 828
21077	1,3	48	2105	01.86-12.00	WCP	0 986 356 828	B 828
21099	1,5	56,4	2111...	01.90-01.04		0 986 356 726	B 726
Toscana							
1.4	1,4	55	2103	01.86-12.00	WCP	0 986 356 828	B 828
1.5	1,5	55	2103	01.86-12.00	WCP	0 986 356 828	B 828

LANCIA

Dedra							
1.6	1,6	65	835A1.000 SPI-Weber <M1 / M5>	01.89-10.94		0 986 356 718	B 718
		66	159B9.000 MPI-GM <M1>	10.94-04.98		0 986 356 738	B 738
		76	182A4.000 MPI-Weber <M6>	04.98-10.99		0 986 357 261	B W261
					WW	0 986 356 787	B 787
1.8	1,8	77	835A2.046 Kat <M4>	09.89-10.94		0 986 356 869	B 869
2.0	2,0	83	835A5.046 Kat <M3>	10.94-10.99		0 986 357 183	B 183
		83/119/121	835A5.046 Kat <M6>; 835A7.046 Kat <M4>; 835A8.046 Kat <M2>	09.89-10.94		0 986 356 869	B 869
		102	836A3.000 MPI-Weber <M1>	10.94-10.99		0 986 356 791	B 791
Delta							
1.4	1,4	51	160A1.046 <SF M1>	06.93-04.94		0 986 356 846	B 846
1.6	1,6	66/76	182A4.000 <SF M9>; 182A6.000 <SF M10>	01.96-12.99		0 986 357 261	B W261
					WW	0 986 356 787	B 787
2.0	2,0	102	836A3.000 <SG M1>	06.93-12.95		0 986 356 791	B 791
		137	175A4.000 <SG M4>; 836A2.000 <SG M2>	06.93-12.99		0 986 356 709	B 709
Lybra							
1.6	1,6	76	182A4.000 <M1 CF2>; 182B6.000 <M2 CF3>	10.99-09.05		0 986 357 261	B W261
					WW	0 986 356 787	B 787
Musa							
1.4	1,4	55/57	350A1000 <M7>; 350A1000 <M11>	03.05→		0 986 357 286	B 286
Thema							
2.0	2,0	112/148	834 F 1.000 <M1>; 834 F 2.000 <M2>	05.92-11.94		0 986 356 892	B 892
Y							
1.1	1,1	40	176B2.000 SPI-Weber <M5 CF2>	04.97-06.00		0 986 356 754	B 754
1.2	1,2	44	188 A4.000 <M1>	06.00-06.03		0 986 357 800	BS800
			840A3.000 SPI-Weber <M1 CF2>	01.96-06.00		0 986 356 754	B 754
			176B9.000 MPI-Weber <M4 CF2>	04.97-06.00		0 986 357 258	B W258
		63	188A5.000 <M2 CF3>	06.00-06.03		0 986 357 181	B 181
			840A2.000 SPI-Bosch <M2>; 840A4.000 SPI-Bosch <M3>	01.96-06.00	RBE	0 356 912 881	ES 881
Y 10							
1.3	1,3	53	146A5.046 MPI-Bosch <M2>	09.92-12.95		0 986 357 131	B 131
Ypsilon							
1.2	1,2	44	188 A4.000 <M1>	06.03-11.11	EU5	0 986 357 286	B 286
			Mot.-Nr. →2935742	06.03-11.11		0 986 357 800	BS800
			Mot.-Nr. 2935743→	06.03-11.11		0 986 357 287	B 287
		51	169 A4.000	08.10-11.11	EU4	0 986 357 287	B 287
					EU5,XDV	0 986 357 286	B 286
					EU5,XDW	0 986 357 286	B 286
				08.10→		0 986 357 286	B 286
					EU5,XDV	0 986 357 286	B 286
					EU5,XDW	0 986 357 286	B 286
				02.12→			



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Serie 112

Serie 115

0 986 356 116 0 986 356 117 0 986 356 117 0 986 356 118

0 986 356 116 0 986 356 117 0 986 356 117 0 986 356 118

Serie 2100

0 986 356 019 0 986 356 021 0 986 356 021 0 986 356 023

0 986 356 044

0 986 356 019 0 986 356 021 0 986 356 021 0 986 356 023

0 986 356 044

Serie 21000

0 986 356 019 0 986 356 021 0 986 356 021 0 986 356 023

0 986 356 044

0 986 356 019 0 986 356 021 0 986 356 021 0 986 356 023

0 986 356 044

0 986 356 019 0 986 356 021 0 986 356 021 0 986 356 023

0 986 356 044

0 986 356 019 0 986 356 021 0 986 356 021 0 986 356 023

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0 986 356 019 0 986 356 021 0 986 356 021 0 986 356 023

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0 986 356 116 0 986 356 117 0 986 356 117 0 986 356 118

Toscana

0 986 356 019 0 986 356 021 0 986 356 021 0 986 356 023

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0 986 356 044

LANCIA

Dedra

0 986 356 025 0 986 356 023 0 986 356 021 0 986 356 021

0 986 356 040

0 986 356 025 0 986 356 023 0 986 356 021 0 986 356 021

0 986 356 040

Delta

0 986 356 038

Lybra

Musa

Thema

Y

0 986 356 267 0 986 356 266 0 986 356 265 0 986 356 264

0 986 356 267 0 986 356 266 0 986 356 265 0 986 356 264

0 986 356 267 0 986 356 266 0 986 356 265 0 986 356 264

Y 10

0 986 356 019 0 986 356 017 0 986 356 017 0 986 356 017

0 986 356 040

Ypsilon

0 986 356 267 0 986 356 266 0 986 356 265 0 986 356 264



◀ LANCIA

1.4	1,4	55	350 A1.000 <M7>; 350 A1.000 <M11>	10.06-11.11	0 986 357 286	B 286
Zeta						
2.0	2,0	110	RGX <M1>	09.94-06.99	0 986 357 098	B 098

LAND ROVER GROUP

Defender						
2.5	2,5	62		08.90-09.01	0 986 356 759	B 759
3.5	3,5	100	V8	08.90-12.98		
Discovery I						
2.0	2,0	100	20 T4 <MPI>	10.93-06.98	0 986 357 188	B 188
3.5	3,5	98-119	22D <V8F-EFi-KAT> Fg.-Nr. MA 081991→	09.89-12.98	0 986 356 831	B 831
		107	V8 3.5	09.89-12.98		
3.9	3,9	134-136	V8 3.9 <EFi> Fg.-Nr. MA 081991→	10.93-12.99	0 986 356 831	B 831
Freelander						
1.8	1,8	84-88	K18 / 18K16 <K-Serie> Fg.-Nr. →YA 999999	09.97-03.07	0 986 357 223	B 223
Range Rover I						
3.9	3,9	127/134	35D,36D <V8-EFi-KAT>; 37D,38D <V8-EFi-KAT>	11.88-04.96	0 986 356 831	B 831
4.3	4,3	147-149	40D <V8-EFi-KAT>	09.92-01.94		
Range Rover II						
4.0	4,0	136-140	42D Fg.-Nr. XA 410482→ Fg.-Nr. →WA 410481	09.94-08.02 09.94-08.02	0 986 356 707 0 986 356 819	B 707 B 819
4.6	4,6	158-168	... Fg.-Nr. XA 410482→ Fg.-Nr. →WA 410481	09.94-08.02 09.94-08.02	0 986 356 707 0 986 356 819	B 707 B 819

LEXUS

LS						
400	4,0	185/186/194/ 203-209	1UZFE	10.94-08.00	0 986 357 204	B 204

LEYLAND-FREIGHT ROVER

Sherpa						
200	1,7	45-52	Leyland-DAF	11.86-12.98		
	2,0	63-66	Leyland-DAF	11.86-12.98		
230	1,7	45-52	Leyland-DAF	11.86-12.98		
	2,0	63-66	Leyland-DAF	11.86-12.98		
250	1,7	45-52	Leyland-DAF	11.86-12.98		
	2,0	63-66	Leyland-DAF	11.86-12.98		
255	1,7	45-52	Leyland-DAF	11.86-12.98		
	2,0	63-66	Leyland-DAF	11.86-12.98		
280	1,7	45-52	Leyland-DAF	11.86-12.98		
	2,0	63-66	Leyland-DAF	11.86-12.98		

LOTUS

Elise						
1.8	1,8	88	K-Serie	03.99-11.00	0 986 357 160	B 160



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Zeta

LAND ROVER GROUP

Defender

0 986 356 017	0 986 356 017	0 986 356 017	0 986 356 017					0 986 356 040
0 986 356 059	0 986 356 059	0 986 356 059	0 986 356 059	0 986 356 010	0 986 356 010	0 986 356 010	0 986 356 013	0 986 356 046

Discovery I

0 986 356 059	0 986 356 059	0 986 356 059	0 986 356 059	0 986 356 010	0 986 356 010	0 986 356 010	0 986 356 013	0 986 356 046
0 986 356 059	0 986 356 059	0 986 356 059	0 986 356 059	0 986 356 010	0 986 356 010	0 986 356 010	0 986 356 013	0 986 356 046

0 986 356 059	0 986 356 059	0 986 356 059	0 986 356 059	0 986 356 010	0 986 356 010	0 986 356 010	0 986 356 013	0 986 356 046
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Freelander

0 986 356 108	0 986 356 109	0 986 356 139	0 986 356 139					0 986 356 097
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Range Rover I

0 986 356 021	0 986 356 010	0 986 356 023	0 986 356 010	0 986 356 021	0 986 356 010	0 986 356 023	0 986 356 010	0 986 356 044
0 986 356 059	0 986 356 059	0 986 356 059	0 986 356 059	0 986 356 010	0 986 356 010	0 986 356 010	0 986 356 013	0 986 356 046

Range Rover II

0 986 356 023	0 986 356 025	0 986 356 023	0 986 356 008	0 986 356 006	0 986 356 008	0 986 356 006	0 986 356 004
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0 986 356 023	0 986 356 025	0 986 356 023	0 986 356 008	0 986 356 006	0 986 356 008	0 986 356 006	0 986 356 004
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LEXUS

LS

LEYLAND-FREIGHT ROVER

Sherpa

0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 027	0 986 356 042
0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 027	0 986 356 042
0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 027	0 986 356 042
0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 027	0 986 356 042
0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 027	0 986 356 042
0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 027	0 986 356 042
0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 027	0 986 356 042
0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 027	0 986 356 042
0 986 356 019	0 986 356 023	0 986 356 023	0 986 356 027	0 986 356 042

LOTUS

Elise



MARUTI

Alto							
1.1	1,1	47	F10D	09.00-06.04	XDW	0 986 357 263	B 263

MAZDA

Demio							
1.3	1,3	46/53	B3	05.98-02.03	0 986 357 265	B 265	
1.5	1,5	55	B5	01.00-02.03	0 986 357 265	B 265	
MPV							
2.3	2,3	104	L3	03.02-06.04	0 986 357 287	B 287	
MX-5							
1.6	1,6	66	B6	12.94-11.97	0 986 356 742	B 742	
		81	B6D	01.98-07.05	0 986 356 742	B 742	
1.8	1,8	96-98	BPF1	09.93-11.94	0 986 356 742	B 742	
					0 986 357 288	B 288	
		98	BP	09.93-11.97	0 986 357 288	B 288	
		103-106	BPD	01.98-08.00	0 986 357 288	B 288	
MX-6							
2.5	2,5	121-123	KL	07.91-06.97	0 986 356 966	B 966	
Xedos-6							
2.0	2,0	103	KF1	04.96-02.99	0 986 356 966	B 966	
		105-108	KF1	01.92-03.94	0 986 356 966	B 966	
Xedos-9							
2.5	2,5	123-125	KL	07.93-07.98	0 986 356 966	B 966	
6							
1.8	1,8	88	L8	02.02-02.05	0 986 357 287	B 287	
2.0	2,0	104-108	LF	02.02-02.05	0 986 357 287	B 287	
2.3	2,3	119/122	L3	02.02-02.05	0 986 357 287	B 287	
121							
1.1	1,1	40	B1	11.93-12.95	0 986 356 789	B 789	
1.25	1,3	55	DH...	01.96-10.99	0 986 356 805	B 805	
1.3	1,3	37/44	JJ...; J4...	01.96-10.99	0 986 357 257	B W257	
		39-40/44/	B3	11.93-12.95	0 986 356 789	B 789	
		53-56					
323							
P 1.3	1,3	54	B3	09.98-10.00	0 986 357 195	B 195	
		54-55	B3	10.96-09.00	0 986 357 165	B 165	
P 1.5	1,5	65	ZL	09.98-10.00	0 986 357 266	B 266	
			Z5	10.96-09.00	0 986 357 149	B 149	
1.3	1,3	54	B3	05.98-09.03	0 986 357 195	B 195	
		54-55	B3	06.94-06.98	0 986 357 165	B 165	
			B3F5	04.91-05.96			
					0 986 356 859	B 859	
		55	B3F	04.91-05.96	0 986 356 859	B 859	
		58	B3F <Kat.>	03.91-07.94			
1.5	1,5	65	ZL	05.98-01.01	0 986 357 266	B 266	
		65-71	Z5	06.94-07.98	0 986 357 149	B 149	
1.6	1,6	63-66	B6; B6 <Kat.>; B65L <Kat.>; B65M <Kat.>	09.89-10.95	0 986 356 859	B 859	
		64	B67	03.91-07.94	0 986 356 859	B 859	
			B67 <Kat.>	03.91-07.94	0 986 356 859	B 859	
		65-66	B67	03.91-02.97			
		70-72/78	ZM	07.98→	0 986 357 266	B 266	
1.8	1,8	76-78	BP <SOHC Kat.>	03.91-05.94	0 986 356 859	B 859	
			BPC <Kat.>; BPC2 <Kat.>; BPC7 <Kat.>	03.91-05.94	0 986 356 760	B 760	
		76-78/94-96/	BP <DOHC Kat.>; BP <Kat.>	03.91-07.94	0 986 356 760	B 760	
		136-139					
		84-85/92/99	BP	08.94-06.98	0 986 357 149	B 149	
2.0	2,0	92	P	08.95-06.98	0 986 357 149	B 149	
		104	KF	08.95-06.98	0 986 356 966	B 966	



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MARUTI

Alto

MAZDA

Demio

MPV

MX-5

MX-6

Xedos-6

Xedos-9

6

121

0 986 356 146 0 986 356 147 0 986 356 148 0 986 356 148

323

0 986 356 006 0 986 356 006 0 986 356 004 0 986 356 002
0 986 356 004 0 986 356 004 0 986 356 006 0 986 356 008

0 986 356 006 0 986 356 006 0 986 356 004 0 986 356 002
0 986 356 004 0 986 356 004 0 986 356 006 0 986 356 008
0 986 356 008 0 986 356 006 0 986 356 004 0 986 356 002

0 986 356 042

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0 986 356 008 0 986 356 006 0 986 356 004 0 986 356 002

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0 986 356 042

0 986 356 008 0 986 356 006 0 986 356 004 0 986 356 004

0 986 356 042

0 986 356 042



◀ MAZDA

323 F							
1.5	1,5	65-66	Z5	05.94-07.95	0 986 357 149	B 149	
1.8	1,8	84-85	BP	08.94-07.95	0 986 357 149	B 149	
626							
1.8	1,8	66/77	FP	08.91-03.97	0 986 357 241	B 241	
2.0	2,0	66/103	FEKF <Kat.>; FEKG <Kat.>	03.92-04.96			
		85-86	FS	08.91-03.97	0 986 357 241	B 241	
2.5	2,5	121-123	KL	09.91-03.97	0 986 356 966	B 966	

MERCEDES-BENZ

Serie A (169)							
150	1,5	70	M 266.920 <E 15>	09.04-04.09	RBE		
160	1,5	70	M 266.920 <E 15>	04.09-04.12	RBE		
170	1,7	85	M 266.940 <E 17>	09.04-04.09	RBE		
180	1,7	85	M 266.940 <E 17>	04.09-04.12	RBE		
200	2,0	100	M 266.960 <E 20>	04.04-04.12	RBE		
Serie B (245)							
150	1,5	70	M 266.920 <E 15>	04.05-04.09	RBE		
160	1,5	70	M 266.920 <E 15>	04.09-04.11	RBE		
170	1,7	85	M 266.940 <E 17>	04.05-04.09	RBE		
	2,0	85	M 266.960 <E 20>	05.08-04.09	RBE		
180	1,7	85	M 266.940 <E 17>	04.09-04.11	RBE		
	2,0	85	M 266.960 <E 20>	05.09-04.11	RBE		
200	2,0	100	M 266.960 <E 20>	04.05-04.11	RBE		
Serie C (202)							
43 AMG	4,3	225	M 113.944	10.97-02.01	HI,RBE RBE,VO		
180	1,8	90	M 111.920 <E 18>	05.96-02.01		0 986 356 352	B 352
			Mot.-Nr. →..017110; →..045966	03.93-08.95		0 986 356 351	B 351
			Mot.-Nr. ..017111→; ..045967→	03.93-08.95		0 986 356 352	B 352
			M 111.921 <E 18>	09.95-04.00		0 986 356 311	B 311
				05.96-02.01		0 986 356 311	B 311
200	2,0	100	M 111.941 <E 20>	09.95-04.00		0 986 356 352	B 352
				05.96-02.01		0 986 356 352	B 352
			M 111.945 <E20>	01.94-02.01		0 986 356 311	B 311
			132-141 M 111.944 <E 20 ML>	09.95-04.00		0 986 356 311	B 311
			M 111.961 <E 22>	09.95-09.96		0 986 356 311	B 311
220	2,2	110	M 111.974 <E 23>; M 111.975 <E 23 ML>	09.95-04.00		0 986 356 311	B 311
240	2,4	125	M 112.910 <E 24>	06.97-02.01	HI,RBE RBE,VO		
	2,6	125	M 112.915 <E 26>	08.00-02.01	HI,RBE RBE,VO		
280	2,8	142	M 104.941	05.93-08.95		0 986 356 316	B 316
				09.95-05.97		0 986 356 329	B 329
		145	M 112.920 <E 28>	06.97-02.01	HI,RBE RBE,VO		
Serie C (203)							
55 AMG	5,4	270	M 113.988 <E 55>	02.04-08.07	HI,RBE RBE,VO		
240	2,6	125	M 112.912 <E 26>; M 112.916 <E 26>	05.00-06.05	HI,RBE RBE,VO		
320	3,2	160	M 112.946 <E 32>; M 112.953 <E 32>	05.00-06.05	HI,RBE RBE,VO		
Serie CL (140)							
420	4,2	205	M 119.971,981	06.96-08.99		0 986 356 315	B 315
500	5,0	235	M 119.970,980	06.96-08.99		0 986 356 315	B 315
Serie CL (215,216)							
55 AMG	5,4	265/368	M 113.986 <E 55>; M 113.991 <E 55 ML AMG>	09.99-08.06	HI,RBE RBE,VO		
500	5,0	225	M 113.960 <E50>	09.99-05.06	HI,RBE RBE,VO		



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323 F

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0 986 356 049

MERCEDES-BENZ

Serie A (169)

0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019
0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019
0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019
0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019
0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019

Serie B (245)

0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019
0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019
0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019
0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019
0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019
0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019
0 356 913 013	0 356 913 011	0 356 913 017	0 356 913 019

Serie C (202)

0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 950
0 356 912 954	0 356 912 952	0 356 912 950	0 356 912 950	0 356 912 952	0 356 912 950	0 356 912 948	0 356 912 948
0 356 912 982	0 356 912 983	0 356 912 983	0 356 912 982				
0 986 357 710	0 986 357 709	0 986 357 709	0 986 357 710				
0 356 912 982	0 356 912 982	0 356 912 983	0 356 912 982				
0 356 912 982		0 356 912 982					
0 356 912 983		0 356 912 983					
0 356 912 982	0 356 912 983	0 356 912 983	0 356 912 982				
0 356 912 983	0 356 912 983	0 356 912 982	0 356 912 982				
0 356 912 983		0 356 912 983					
0 356 912 982		0 356 912 982					
0 356 912 982		0 356 912 982					
0 356 912 982		0 356 912 982					
0 356 912 948	0 356 912 948	0 356 912 950	0 356 912 948	0 356 912 948	0 356 912 950		
0 356 912 950	0 356 912 948	0 356 912 948	0 356 912 950	0 356 912 948	0 356 912 948		
0 356 912 948	0 356 912 948	0 356 912 950	0 356 912 948	0 356 912 948	0 356 912 950		
0 356 912 950	0 356 912 948	0 356 912 948	0 356 912 950	0 356 912 948	0 356 912 948		
0 986 357 710			0 986 357 710				

0 356 912 948	0 356 912 948	0 356 912 950	0 356 912 948	0 356 912 948	0 356 912 950
0 356 912 950	0 356 912 948	0 356 912 948	0 356 912 950	0 356 912 948	0 356 912 948

Serie C (203)

0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 950
0 356 912 954	0 356 912 952	0 356 912 950	0 356 912 950	0 356 912 952	0 356 912 950	0 356 912 948	0 356 912 948
0 356 912 948	0 356 912 948	0 356 912 950	0 356 912 948	0 356 912 948	0 356 912 950		
0 356 912 950	0 356 912 948	0 356 912 948	0 356 912 950	0 356 912 948	0 356 912 948		
0 356 912 948	0 356 912 948	0 356 912 950	0 356 912 948	0 356 912 948	0 356 912 950		
0 356 912 950	0 356 912 948	0 356 912 948	0 356 912 950	0 356 912 948	0 356 912 948		

Serie CL (140)

0 356 912 927	0 356 912 928	0 356 912 927	0 356 912 927	0 356 912 928	0 356 912 928	0 356 912 927	0 356 912 927
0 356 912 927	0 356 912 928	0 356 912 927	0 356 912 927	0 356 912 928	0 356 912 928	0 356 912 927	0 356 912 927

Serie CL (215,216)

0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 950
0 356 912 954	0 356 912 952	0 356 912 950	0 356 912 950	0 356 912 952	0 356 912 950	0 356 912 948	0 356 912 948
0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 950
0 356 912 954	0 356 912 952	0 356 912 950	0 356 912 950	0 356 912 952	0 356 912 950	0 356 912 948	0 356 912 948



							
l/100km		kW		Typ		SET	

◀ MERCEDES-BENZ

Serie CLK (208,209)							
55 AMG	5,4	255/270	M 113.984 <E55>; M 113.987 <E 55>	05.99-08.06	HI,RBE RBE,VO		
200	2,0	100/142	M 111.944 <E 20 ML>; M 111.945 <E20>	09.96-06.00		0 986 356 311	B 311
230	2,3	142	M 111.975 <E 23 ML>	06.97-06.00		0 986 356 311	B 311
240	2,6	125	M 112.912 <E 26>	05.02-03.05	HI,RBE RBE,VO		
320	3,2	160	M 112.940 <E32>; M 112.955 <E 32>	01.97-03.05	HI,RBE RBE,VO		
430	4,3	205	M 113.943 <E43>	09.98-01.03	HI,RBE RBE,VO		
500	5,0	225	M 113.968 <E 50>	05.02-07.06	HI,RBE RBE,VO		
Serie CLS (218,219)							
55 AMG	5,4	350	M 113.990 <E 55>	06.04-08.06	HI,RBE RBE,VO		
500	5,0	225	M 113.967 <E 50>	06.04-04.06	HI,RBE RBE,VO		
Serie E (124)							
36 AMG	3,6	195	M 104.992	07.93-02.94		0 986 356 316	B 316
		195-200	M 104.992	03.94-08.95		0 986 356 316	B 316
				09.95-06.98		0 986 356 329	B 329
60 AMG	6,0	280	M 119.974	07.93-06.95		0 986 356 315	B 315
200	2,0	100	M 111.940	07.93-07.95		0 986 356 351	B 351
				07.93-08.95		0 986 356 351	B 351
				09.95-06.98		0 986 356 352	B 352
				Mot.-Nr. →..017707; →..040193	07.93-07.95		
				Mot.-Nr. ..017708→; ..040194→	07.93-07.95		
220	2,2	110	M 111.960	07.93-08.95		0 986 356 351	B 351
				09.95-06.98		0 986 356 352	B 352
				07.93-06.95		0 986 356 316	B 316
280	2,8	142	M 104.942	07.93-08.95		0 986 356 316	B 316
		142-145	M 104.942	09.95-05.96		0 986 356 329	B 329
300	3,0	132	M 103.985	07.93-06.95		0 986 356 332	B 332
320	3,2	162-170	M 104.992	05.93-08.95		0 986 356 316	B 316
				09.95-06.98		0 986 356 329	B 329
				07.93-06.95		0 986 356 315	B 315
500	5,0	235-240	M 119.974	07.93-06.95		0 986 356 315	B 315
Serie E (210)							
50 AMG	5,0	205-235	M 119.980,985	01.96-08.97		0 986 356 315	B 315
55 AMG	5,5	260	M 113.980 <E55>	09.97-03.03	HI,RBE RBE,VO		
					HI,RBE RBE,VO		
						0 986 356 311	B 311
						0 986 356 311	B 311
						0 986 356 311	B 311
200	2,0	100	M 111.942 <E20>	05.96-05.99		0 986 356 311	B 311
230	2,3	137	M 111.947 <E20>	07.99-01.03		0 986 356 311	B 311
		110	M 111.970 <E23>	09.97-01.03		0 986 356 311	B 311
		125	M 112.911 <E24>	06.95-08.97		0 986 356 311	B 311
240	2,4	125	M 112.914 <E26>	09.97-04.00	RBE,VO		
				09.97-01.03	HI,RBE RBE,VO		
				06.99-01.03	HI,RBE RBE,VO		
						0 986 356 316	B 316
						0 986 356 329	B 329
280	2,8	142	M 104.945	01.96-02.97		0 986 356 316	B 316
		150	M 112.921 <E28>	06.95-01.03	HI,RBE RBE,VO		
						0 986 356 316	B 316
320	3,2	162	M 104.995	06.95-08.95		0 986 356 316	B 316
				09.95-02.97		0 986 356 329	B 329
		165	M 112.941 <E32>	03.97-05.99	HI,RBE RBE,VO		
				07.99-08.03	HI,RBE RBE,VO		





							
l/ccm		kW		Typ		SET	

◀ MERCEDES-BENZ

420	4,2	205	M 119.985	01.96-08.97		0 986 356 315	B 315
430	4,3	205	M 113.940 <E43>	06.97-01.03	HI,RBE RBE,VO		
Serie E (211)							
55 AMG	5,4	350	M 113.990 <E 55>	10.02-05.06	HI,RBE RBE,VO		
240	2,6	130	M 112.913 <E 26>; M 112.917 <E 26>	03.02-08.09	HI,RBE RBE,VO		
320	3,2	165	M 112.949 <E 32>; M 112.954 <E 32>	03.02-03.05	HI,RBE RBE,VO		
500	5,0	225	M 113.967 <E 50>; M 113.969 <E 50>	03.02-08.06	HI,RBE RBE,VO		
Serie G (460,461,463)							
55 AMG	5,4	260	M 113.982	04.99-03.04	HI,RBE RBE,VO		
		350-373	M 113.993 <E 55>	04.04-08.11	HI,RBE RBE,VO		
230	2,3	90/92/93	M 102.979; M 102.979;996; M 102.989	06.90-09.95		0 986 356 333	B 333
300	3,0	125/126	M 103.987	08.93-10.94		0 986 356 332	B 332
320	3,2	154/158	M 112.945 <E 32>	06.97-08.06	HI,RBE RBE,VO		
		155	M 104.996	08.93-08.95 09.95-11.97		0 986 356 316 0 986 356 329	B 316 B 329
500	5,0	218	M 113.962	04.98-09.05 04.98-08.08 09.01-08.08	HI,RBE RBE,VO HI,RBE		
Serie ML (163,164)							
55 AMG	5,4	255	M 113.981 <E 55>	03.00-06.05	HI,RBE RBE,VO		
320	3,2	160	M 112.942 <E 32>	03.98-09.02	HI,RBE RBE,VO		
350	3,7	173/180	M 112.970 <E 37>	08.02-06.05	HI,RBE RBE,VO		
430	4,3	200	M 113.942 <E 43>	09.98-07.02	HI,RBE RBE,VO		
500	5,0	215	M 113.965 <E 50>	09.01-06.05	HI,RBE RBE,VO		
		225	M 113.964 <E 50>	09.05-08.07	HI,RBE RBE,VO		
Serie R							
500	5,0	225	M 113.971 <E 50>	02.06-04.07	HI,RBE RBE,VO		
Serie S (140)							
280	2,8	142-145	M 104.944	06.93-08.95 09.95-09.98		0 986 356 316 0 986 356 329	B 316 B 329
320	3,2	170	M 104.994; M104994...	03.93-02.99		0 986 356 314	B 314
420	4,2	205-210	M 119.971;981; M 119.971;981	06.93-09.98		0 986 356 315	B 315
500	5,0	235-240	M 119.970;980	06.93-09.98		0 986 356 315	B 315
600	6,0	290-300	M 120.98...; M 120.98... <M 120>	06.93-09.98		0 986 356 313	B 313
Serie S (220)							
55 AMG	5,4	265/368	113.986 <E55 AMG>; 113.991 <E55 AMG>	09.00-08.06	HI,RBE RBE,VO		
280	2,8	150	M 112.922 <E28>	01.99-08.05	HI,RBE RBE,VO		
320	3,2	165	M 112.944 <E32>	10.98-08.02	HI,RBE RBE,VO		
350	3,7	180	M 112.972 <E37>; M 112.975 <E37>	09.02-08.06	HI,RBE RBE,VO		
430	4,3	205	M 113.941 <E43>; M 113.948 <E43>	10.98-01.06	HI,RBE RBE,VO		
500	5,0	225	M 113.960 <E50>; M 113.966 <E50>	10.98-08.06	HI,RBE RBE,VO		



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◀ MERCEDES-BENZ

Serie SL (129)							
280	2,8	142	M 104.943	07.93-08.95		0 986 356 316	B 316
				09.95-05.98		0 986 356 329	B 329
		150	M 112.923	06.98-08.01	HI,RBE RBE,VO		
320	3,2	165	M 112.943	06.98-08.01	HI,RBE RBE,VO		
		170	M 104.991	07.93-08.95	AG	0 986 356 316	B 316
500	5,0	225	M 113.961	06.98-08.01	HI,RBE RBE,VO		
		235-240	M 119.972	09.93-08.95		0 986 356 315	B 315
600	6,0	290	M 120.981; M 120.983	07.93-08.01		0 986 356 313	B 313
Serie SL (230)							
55 AMG	5,4	368/380	M 113.992 <E 55>; M 113.995 <E 55>	10.01-03.08	HI,RBE RBE,VO		
350	3,7	180	M 112.973 <E 37>	03.03-12.05	HI,RBE RBE,VO		
500	5,0	225	M 113.963 <E 50>	10.01-12.05	HI,RBE RBE,VO		
Serie SLK (170,171,172)							
55 AMG	5,4	265	M 113.989 <E 55>	04.04-11.10	HI,RBE RBE,VO		
200	2,0	100/135	M 111.943 <E20 ML>; M 111.946 <E20>	09.96-01.00		0 986 356 311	B 311
230	2,3	142	M 111.973 <E23 ML>	09.96-01.00		0 986 356 311	B 311
Serie V							
200	2,0	95	M 111.948 <E20>	04.96-09.03		0 986 356 311	B 311
230	2,3	105	M 111.978 <E23>	04.96-09.03		0 986 356 311	B 311
Sprinter							
214	2,3	105-108	M 111.979 <E23>; M 111.984 <E23>	09.95-05.06		0 986 356 311	B 311
314	2,3	105-108	M 111.979 <E23>; M 111.984 <E23>	09.95-05.06		0 986 356 311	B 311
414	2,3	105-108	M 111.979 <E23>; M 111.984 <E23>	09.95-05.06		0 986 356 311	B 311
Vito							
113	2,0	100	M 111.948 <E20>	11.95-09.03		0 986 356 311	B 311
114	2,3	105	M 111.978 <E23>	11.95-09.03		0 986 356 311	B 311

MG

MG TF							
120	1,8	88	18 K4F K-Serie <DOHC>	03.02-05.05	AG	0 986 357 154	B 154
					GS	0 986 356 731	B 731
135	1,8	100	18 K4F K-Serie <DOHC>	03.02→	AG	0 986 357 154	B 154
					GS	0 986 356 731	B 731
160	1,8	118	18 K4F K-Serie- VVC- <DOHC>	03.02-05.05		0 986 357 160	B 160
MGF							
1.6	1,6	82	16 K4F <K-Serie>				
			Fg.-Nr. YD 522573→	10.01-03.02		0 986 357 154	B 154
			Fg.-Nr. →YD 522572	10.01-03.02		0 986 356 731	B 731
1.8	1,8	88	18 K4F <K-Serie K 1.8>				
			Fg.-Nr. YD 522573→	10.95-03.02		0 986 357 154	B 154
			Fg.-Nr. →YD 522572	10.95-03.02		0 986 356 731	B 731
		107	18 K4K <MPI VVC K-Serie>				
			Fg.-Nr. YD 522573→	10.95-03.02		0 986 357 154	B 154
			Fg.-Nr. →YD 522572	10.95-03.02		0 986 356 731	B 731
		118	18 K4K K-Serie <MPI VVC>				
			Fg.-Nr. YD 522573→	03.01-03.02		0 986 357 154	B 154
			Fg.-Nr. →YD 522572	03.01-03.02		0 986 356 731	B 731
ZR							
105	1,4	76	14 K4F <K-Serie>				
			Fg.-Nr. YD 471565→	10.01-05.05		0 986 357 154	B 154
			Fg.-Nr. →YD 471564	10.01-05.05		0 986 356 731	B 731



1	2	3	4	5	6	7	8	Serie SL (129)
0 986 357 710				0 986 357 710				
0 356 912 948	0 356 912 948	0 356 912 950	0 356 912 948	0 356 912 948	0 356 912 950			
0 356 912 950	0 356 912 948	0 356 912 948	0 356 912 950	0 356 912 948	0 356 912 948			
0 356 912 948	0 356 912 948	0 356 912 950	0 356 912 948	0 356 912 948	0 356 912 950			
0 356 912 950	0 356 912 948	0 356 912 948	0 356 912 950	0 356 912 948	0 356 912 948			
0 986 357 710				0 986 357 710				
0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 950	
0 356 912 954	0 356 912 952	0 356 912 950	0 356 912 950	0 356 912 952	0 356 912 950	0 356 912 948	0 356 912 948	
0 356 912 927	0 356 912 928	0 356 912 927	0 356 912 927	0 356 912 928	0 356 912 928	0 356 912 927	0 356 912 927	

								Serie SL (230)
0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 950	
0 356 912 954	0 356 912 952	0 356 912 950	0 356 912 950	0 356 912 952	0 356 912 950	0 356 912 948	0 356 912 948	
0 356 912 948	0 356 912 948	0 356 912 950	0 356 912 948	0 356 912 948	0 356 912 950			
0 356 912 950	0 356 912 948	0 356 912 948	0 356 912 950	0 356 912 948	0 356 912 948			
0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 950	
0 356 912 954	0 356 912 952	0 356 912 950	0 356 912 950	0 356 912 952	0 356 912 950	0 356 912 948	0 356 912 948	

								Serie SLK (170,171,172)
0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 948	0 356 912 950	
0 356 912 954	0 356 912 952	0 356 912 950	0 356 912 950	0 356 912 952	0 356 912 950	0 356 912 948	0 356 912 948	
0 356 912 982		0 356 912 982						
0 356 912 982		0 356 912 982						

								Serie V
0 356 912 982		0 356 912 982						
0 356 912 982		0 356 912 982						

								Sprinter
0 356 912 982		0 356 912 982						
0 356 912 982		0 356 912 982						
0 356 912 982		0 356 912 982						

								Vito
0 356 912 982		0 356 912 982						
0 356 912 982		0 356 912 982						

								MG
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								MG TF
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								MGF
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								ZR
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◀ MG

120	1,8	86	18 K4F <K-Serie K 1.8>			
			Fg.-Nr. YD 471565→	10.01-05.05	0 986 357 154	B 154
			Fg.-Nr. →YD 471564	10.01-05.05	0 986 356 731	B 731
160	1,8	118	18 K4K <MPI VVC K-Serie>			
			Fg.-Nr. YD 471565→	10.01-05.05	0 986 357 154	B 154
			Fg.-Nr. →YD 471564	10.01-05.05	0 986 356 731	B 731
ZS						
110	1,6	80	16 K4F <K-Serie>			
			Fg.-Nr. YD 471064→	03.05-05.05	0 986 356 731	B 731
120	1,8	86	18 K4F <K-Serie K 1.8>	10.01-05.05	0 986 357 154	B 154
180	2,5	130	25 K4F <KV6>			
			Fg.-Nr. YD 471565→	10.01-05.05	0 986 357 154	B 154
			Fg.-Nr. →YD 471564	10.01-05.05	0 986 356 731	B 731
ZT						
1.8	1,8	88/118	K1.8T <K-Serie>; 18 K4F <K-Serie K 1.8>	03.02-05.05	0 986 357 154	B 154
190	1,8	88/118	K1.8T <K-Serie>; 18 K4F <K-Serie K 1.8>	03.02-05.05	0 986 357 154	B 154

MINI (BMW)

Cooper [R50/R52/R53]

1.6	1,6	66/85/120-125	W10 B16A...; W11 B16A	06.01-07.08	0 986 357 192	B 192
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John Cooper Works [R52/R53]

1.6	1,6	147/154-160	W11 B16A	10.03-07.08	0 986 357 192	B 192
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MITSUBISHI

Carisma

1.3	1,3	60	4G13	07.01-12.03	0 986 357 273	B 273
1.6	1,6	66	4G92 Kat.	05.95-04.96	0 986 357 147	B 147
		73	4G92 Kat.	05.97-02.99	0 986 357 147	B 147
1.8	1,8	85	4G93 SOHC Kat.	05.95-04.96	0 986 357 147	B 147

Champ

1.5	1,5	67-69	4G15	11.95→	0 986 357 157	B 157
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Colt

1.3	1,3	55	4G13 Kat.	12.91-11.95	0 986 357 157	B 157
				11.95-05.00	0 986 357 157	B 157
		60	4G13 Kat.	06.00-06.03	0 986 357 273	B 273
1.5	1,5	69	4G15	11.95-05.00	0 986 357 157	B 157
1.6	1,6	66/83	4G92; 4G92 Kat.	12.91-12.96	0 986 357 147	B 147

Eclipse

2.0	2,0	110/147	4G63 Kat.	01.90-03.94	0 986 357 151	B 151
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Galant

1.8	1,8	85-93	4G93 Kat.	11.92-05.96	0 986 357 147	B 147
2.0	2,0	101	4G63 Kat.	11.92-05.96	0 986 357 147	B 147
		110	6A12 Kat.	11.92-05.96	0 986 357 218	B 218
2.5	2,5	125	6G73	11.92-05.96	0 986 357 218	B 218

L 200

1.6	1,6	48	4G32	11.86-03.95		
2.0	2,0	65	4G63	11.86-05.95		
2.4	2,4	82	4G64 Kat.	06.94-11.97	0 986 357 196	B 196
		82-87	4G64 Kat.	06.90-11.97	0 986 357 196	B 196
		97	4G64 Kat.	01.96→	0 986 357 197	B 197
2.6	2,6	76	G54B	11.89-05.95	0 986 357 196	B 196

L 300

1.6	1,6	48-51	4G32	11.86-05.94		
					0 986 357 185	B 185
2.0	2,0	65	4G63 Kat.	06.94-05.96	0 986 357 197	B 197
				06.94-12.01	0 986 357 197	B 197



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ZS

ZT

MINI (BMW)

Cooper [R50/R52/R53]

John Cooper Works [R52/R53]

MITSUBISHI

Carisma

Champ

Colt

0 986 356 004 0 986 356 006 0 986 356 006 0 986 356 008

Eclipse

Galant

L 200

0 986 356 006 0 986 356 010 0 986 356 010 0 986 356 013 0 986 356 042
0 986 356 006 0 986 356 010 0 986 356 010 0 986 356 013 0 986 356 042
0 986 356 006 0 986 356 008 0 986 356 013 0 986 356 013
0 986 356 006 0 986 356 008 0 986 356 013 0 986 356 013 0 986 356 042

L 300

0 986 356 008 0 986 356 010 0 986 356 010 0 986 356 013 0 986 356 049
0 986 356 008 0 986 356 010 0 986 356 010 0 986 356 013 0 986 356 049
0 986 356 008 0 986 356 010 0 986 356 010 0 986 356 013 0 986 356 049


								
l/ccm		kW	Typ					

◀ MITSUBISHI

2.0	2,0	66	4G63 Kat.	11.86-06.95	0 986 357 185	B 185
				11.88-05.94	0 986 357 185	B 185
				11.88-06.95		
				06.94-06.95	0 986 357 197	B 197
		83/85	4G63 Kat.	06.94-04.00	0 986 357 197	B 197
2.4	2,4	82	4G64 Kat.	11.88-05.96	0 986 357 185	B 185
L 400						
2.0	2,0	83-85	4G63 Kat.	12.94-03.01	0 986 357 197	B 197
2.4	2,4	97	4G64 Kat.	12.94-03.01	0 986 357 197	B 197
Lancer						
1.5	1,5	64	4G15	09.88-09.10	0 986 357 157	B 157
1.6	1,6	77-81	4G18	05.00-02.03	0 986 357 273	B 273
Lancer [CA/CB/CC/CD]						
1.3	1,3	58	4G13 Kat.	07.93-12.96	0 986 357 157	B 157
1.5	1,5	67	4G15	12.91-10.96	0 986 357 157	B 157
1.6	1,6	66/83	4G92 Kat.; 4G92 MVV	05.92-09.00	0 986 357 147	B 147
Lancer [CK/CP/CN]						
1.3	1,3	55	4G13 Kat.	11.95-05.01	0 986 357 157	B 157
1.5	1,5	67-69	4G15	11.95-09.00	0 986 357 157	B 157
Lancer [CS/CT]						
1.3	1,3	60	4G13	06.03-04.10	0 986 357 273	B 273
1.6	1,6	72	4G18	06.03-04.10	0 986 357 273	B 273
Lancer [C6/C7]						
1.3	1,3	44	4G13	04.88-07.95	0 986 357 093	B 093
		55	4G13 Kat.	06.92-07.95	0 986 357 093	B 093
1.5	1,5	67	4G15	06.92-07.95	0 986 357 093	B 093
1.6	1,6	83	4G92 Kat.	06.92-07.95	0 986 357 147	B 147
Pajero						
2.4	2,4	82-100	4G64 Kat.	12.90-05.94	0 986 357 122	B 122
3000	3,0	110	6G721 Kat.	12.90-05.94		
Santamo						
2.0	2,0	102		05.99-12.02	0 986 356 974	B 974
Space Gear						
2.0	2,0	83-85	4G63 Kat.	12.94-03.01	0 986 357 197	B 197
2.4	2,4	94-97	4G64; 4G64 Kat.	12.94-03.01	0 986 357 197	B 197
Space Runner						
1.8	1,8	85-90	4G93 Kat.	06.91-05.99	0 986 357 147	B 147
Space Wagon						
2.0	2,0	98-101	4G63 Kat.	06.92-11.00	0 986 357 147	B 147
Spacestar						
1.3	1,3	60	4G13	06.98-05.00	0 986 357 272	B 272
				06.00-12.04	0 986 357 273	B 273
1.6	1,6	72	4G18	04.01-12.04	0 986 357 273	B 273
3000 GT						
3.0	3,0	206-210	6G72	06.92-12.00	0 986 357 218	B 218

MOSKWITSCH

Aleko

1.6	1,6	56	VAZ-2106	01.86-12.00		
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NISSAN

Almera [N15]

1.4	1,4	55-64	GA14DE	07.95-04.00		0 986 356 821	B 821
					WW	0 986 357 239	B 239
1.6	1,6	66-73	GA16DE	07.95-04.00		0 986 356 821	B 821
					WW	0 986 357 239	B 239
2.0	2,0	105	SR20DE	04.96-04.00		0 986 356 821	B 821
					WW	0 986 357 239	B 239



1	2	3	4	5	6	7	8
0 986 356 008	0 986 356 010	0 986 356 010	0 986 356 013				0 986 356 049
0 986 356 008	0 986 356 010	0 986 356 010	0 986 356 013				0 986 356 049
0 986 356 006	0 986 356 008	0 986 356 013	0 986 356 013				0 986 356 049
							L 400
							Lancer
							Lancer [CA/CB/CC/CD]
0 986 356 004	0 986 356 006	0 986 356 006	0 986 356 008				
0 986 356 004	0 986 356 006	0 986 356 006	0 986 356 008				
							Lancer [CK/CP/CN]
							Lancer [CS/CT]
							Lancer [C6/C7]
0 986 356 004	0 986 356 006	0 986 356 006	0 986 356 008				0 986 356 046
0 986 356 004	0 986 356 006	0 986 356 006	0 986 356 008				
0 986 356 008	0 986 356 006	0 986 356 006	0 986 356 004				0 986 356 046
							Pajero
0 986 356 006	0 986 356 008	0 986 356 013	0 986 356 013				0 986 356 040
0 986 356 004	0 986 356 004	0 986 356 006	0 986 356 010	0 986 356 010	0 986 356 010		0 986 356 038
							Santamo
							Space Gear
							Space Runner
							Space Wagon
							Spacestar
							3000 GT
							MOSKWITSCH
							Aleko
0 986 356 021	0 986 356 023	0 986 356 023	0 986 356 021				0 986 356 042
							NISSAN
							Almera [N15]
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				



							
l/100km		kW		Typ		SET	

◀ NISSAN

Almera Tino							
2.0	2,0	99-100	SR20DE	05.00-01.03	WW	0 986 357 239	B 239
Hardbody							
2.4	2,4	88	KA24E	05.99-05.02		0 986 356 807	B 807
					WW	0 986 357 236	B 236
Pathfinder							
3.0	3,0	113	VG30E	07.92-07.95		0 986 357 177	B 177
Patrol							
3.0	3,0	99	RB30S	04.89-05.98			
4.2	4,2	129	TB42E	01.92-12.95			
Patrol GR							
4.2	4,2	118-121	TB42E	10.91-09.97			
Pickup							
2.0	2,0	64	Z20S	04.92-05.94			
Primera							
1.6	1,6	66-75	GA16DE	04.93-12.01		0 986 356 821	B 821
					WW	0 986 357 239	B 239
2.0	2,0	85	SR20DE	06.96-10.97		0 986 356 821	B 821
					WW	0 986 357 239	B 239
				01.98-06.99	WW	0 986 357 239	B 239
		85/89	SR20Di	07.90-07.94			
					MMS	0 986 356 799	B 799
				04.93-07.94	MMS	0 986 357 274	B 274
		85-92	SR20De	07.94-12.97	WW	0 986 357 239	B 239
			SR20DE	09.94-06.96			
					MMS	0 986 356 799	B 799
					MMS	0 986 357 274	B 274
		96	SR20DE	06.96-10.97		0 986 356 821	B 821
					WW	0 986 357 239	B 239
				01.98-06.99	WW	0 986 357 239	B 239
		96/110	SR20DEH; SR20DEL	10.97-06.99		0 986 356 821	B 821
					WW	0 986 357 239	B 239
		103	SR20DE	06.99-12.01	WW	0 986 357 239	B 239
		110	SR20DE	06.90-06.96			
					MMS	0 986 356 799	B 799
					MMS	0 986 357 274	B 274
				06.96-10.97		0 986 356 821	B 821
					WW	0 986 357 239	B 239
Pulsar							
1.6	1,6	81-86	GA16DE	08.95-08.95		0 986 356 821	B 821
				08.95-06.00	WW	0 986 357 239	B 239
Serena							
1.6	1,6	71	GA16DE	07.92-11.01		0 986 356 893	B 893
					WW	0 986 357 280	B 280
2.0	2,0	93-96	SR20DE	07.92-11.01		0 986 356 893	B 893
					WW	0 986 357 280	B 280
Sunny							
1.4	1,4	58-63	GA14DS	10.92-05.95		0 986 357 282	B 282
					WW	0 986 356 703	B 703
		60-64	GA14DE	10.92-05.95		0 986 356 821	B 821
					WW	0 986 357 239	B 239
1.6	1,6	66/70	GA16DS; GA16DS <AY>	10.90-10.95		0 986 357 282	B 282
					WW	0 986 356 703	B 703
		75-81	GA16DE	10.92-05.95		0 986 356 821	B 821
					WW	0 986 357 239	B 239
			GA16DE <AY>	10.92-03.00		0 986 356 821	B 821
					WW	0 986 357 239	B 239
		88	GA16DE	01.94→		0 986 356 821	B 821
					TW,WW	0 986 357 239	B 239
					WW	0 986 357 239	B 239
2.0	2,0	105	SR20DE	10.90-09.94			
					MMS	0 986 356 799	B 799
					MMS	0 986 357 274	B 274



1	2	3	4	5	6	7	8
Almera Tino							
Hardbody							
0 986 356 002	0 986 356 004	0 986 356 004	0 986 356 006				0 986 356 042
Pathfinder							
Patrol							
0 986 356 006	0 986 356 008	0 986 356 013	0 986 356 008	0 986 356 010	0 986 356 013		0 986 356 042
0 986 356 002	0 986 356 004	0 986 356 008	0 986 356 008	0 986 356 013	0 986 356 013		0 986 356 042
Patrol GR							
0 986 356 002	0 986 356 004	0 986 356 008	0 986 356 008	0 986 356 013	0 986 356 013		0 986 356 042
Pickup							
Primera							
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				0 986 356 038
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				0 986 356 038
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				0 986 356 038
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				
Pulsar							
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				
Serena							
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				0 986 356 046
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				0 986 356 046
Sunny							
0 986 356 173	0 986 356 173	0 986 356 171	0 986 356 171				0 986 356 040
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				
0 986 356 173	0 986 356 173	0 986 356 171	0 986 356 171				0 986 356 040
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				
0 986 356 173	0 986 356 172	0 986 356 171	0 986 356 170				0 986 356 038



◀ NISSAN

Sunny Saloon							
1.6	1,6	82	GA16DE	07.94-12.04	WW	0 986 357 239	B 239
Terrano							
2.4	2,4	87/91	KA24E	02.93-12.06		0 986 356 807	B 807
					WW	0 986 357 236	B 236
3.0	3,0	109	VG30E	01.90-10.95		0 986 357 177	B 177
Urvan							
2.0	2,0	64-66	Z20; Z20S	11.86-01.95			
Vanette							
1.5	1,5	51	A15	09.85-06.94			
1 Tonner							
3.0	3,0	110,3	VG30E	01.90-05.02		0 986 357 177	B 177
100 NX							
1.6	1,6	75-81	GA16DE	10.92-10.94		0 986 356 821	B 821
					WW	0 986 357 239	B 239

OPEL

Astra F							
1.4	1,4	44	C 14 NZ <OHC>	09.91-02.98			
			Mot.-Nr. →02V57973	09.91-02.98		0 986 356 747	B 747
			Mot.-Nr. →19241623; 02V57974→02BF1476	09.91-02.98		0 986 357 127	B 127
			X 14 NZ <Ecotec OHC>	09.97-02.98			
				09.97-08.02			
			Mot.-Nr. →02V57973	09.97-02.98		0 986 356 747	B 747
			Mot.-Nr. →19241623; 02V57974→02BF1476	09.97-02.98		0 986 357 127	B 127
		60	14 SE / C 14 SE <OHC>	03.92-02.98			
			Mot.-Nr. →02T14052; →19880550	03.92-02.98		0 986 357 127	B 127
			Mot.-Nr. 02BD1413→; 19280317→	03.92-02.98			
				02.98-02.98		0 986 357 226	B 226
			Mot.-Nr. 02T14053→02BD1413; 19880551→19280316	03.92-02.98		0 986 357 124	B 124
		66	X 14 XE <Ecotec DOHC>	04.96-02.98		0 986 356 778	B 778
					WW	0 986 357 234	B 234
1.6	1,6	52	X 16 SZ				
			Mot.-Nr. →02BE6166	09.92-07.96		0 986 357 124	B 124
			Mot.-Nr. 02BE6167→	09.92-07.96		0 986 357 226	B 226
		55	C/E 16 NZ <OHC>	09.91-08.94			
			Mot.-Nr. →02V65825	09.91-08.94		0 986 356 723	B 723
			Mot.-Nr. 02BE6167→	09.93-08.94		0 986 357 156	B 156
			Mot.-Nr. 02V65826→2BE6166	09.91-08.94		0 986 357 249	B 249
			X 16 SZR <Ecotec>	09.97-08.02		0 986 357 126	B 126
			Mot.-Nr. →02BE6166	09.95-08.97		0 986 357 124	B 124
			Mot.-Nr. 02BE6167→	09.95-08.97		0 986 357 226	B 226
			16 NZR				
			Mot.-Nr. →02BE6166	09.97-02.98		0 986 357 124	B 124
			Mot.-Nr. 02BE6167→	09.97-02.98		0 986 357 226	B 226
		74	C 16 SE <OHC>				
			Mot.-Nr. →02BD0920	03.92-02.98		0 986 357 124	B 124
			Mot.-Nr. 02BD0921→	03.92-02.98		0 986 357 226	B 226
			X 16 XEL <DOHC Ecotec>				
			Mot.-Nr. →20C17332	09.94-02.98		0 986 356 778	B 778
					WW	0 986 357 234	B 234
			Mot.-Nr. 20C17333→	09.94-02.98			
			X 16 XEL <Ecotec DOHC>	09.97-08.02			
					WW	0 986 357 234	B 234
1.8	1,8	66	C 18 NZ	09.91-02.98			
			Mot.-Nr. →14349311	09.91-02.98		0 986 356 801	B 801
			Mot.-Nr. 14349312→	09.91-02.98		0 986 357 127	B 127
		82	18 SE <OHC>				
			Mot.-Nr. →14258179	09.95-09.96		0 986 356 722	B 722
			Mot.-Nr. 14258180→	09.95-09.96		0 986 356 801	B 801





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Sunny Saloon

Terrano

0 986 356 002 0 986 356 004 0 986 356 004 0 986 356 006

0 986 356 042

Urvan

0 986 356 038

Vanette

0 986 356 019 0 986 356 017 0 986 356 017 0 986 356 017

0 986 356 040

1 Tonner

100 NX

0 986 356 173 0 986 356 172 0 986 356 171 0 986 356 170

OPEL

Astra F

0 986 356 230

0 986 356 088 0 986 356 087

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 230

0 986 356 250 0 986 356 247 0 986 356 246

0 986 356 230

0 986 356 088 0 986 356 087

0 986 356 242 0 986 356 240 0 986 356 239 0 986 356 237

0 986 356 230

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

0 986 356 239 0 986 356 237

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 180

0 986 356 239 0 986 356 237

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

0 986 356 061

0 986 356 218 0 986 356 217 0 986 356 085 0 986 356 061

0 986 356 252 0 986 356 252 0 986 356 252 0 986 356 251

0 986 356 239 0 986 356 237

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

0 986 356 239 0 986 356 237

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

0 986 356 239 0 986 356 237

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 183

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 180

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 180

0 986 356 090

0 986 356 080 0 986 356 080 0 986 356 078

0 986 356 240 0 986 356 087 0 986 356 237

0 986 356 019

0 986 356 080 0 986 356 078



◀ OPEL

1.8	1,8	85	C 18 SEL <DOHC>			
			Fg.-Nr. W2000000→	09.95-08.97	0 986 357 284	B 284
			Fg.-Nr. →V8999999	09.95-08.97	0 986 357 237	B 237
			C 18 XEL <DOHC>			
			Fg.-Nr. W2000000→	09.94-02.98	0 986 357 284	B 284
			Fg.-Nr. →V8999999	09.94-02.98	0 986 357 237	B 237
			X 18 XE <DOHC>			
			Fg.-Nr. W2000000→	09.95-08.98	0 986 357 284	B 284
			Fg.-Nr. →V8999999	09.95-08.98	0 986 357 237	B 237
2.0	2,0	85	C 20 NE / 20 NE <OHC>	09.91-02.98		
			Mot.-Nr. →14672353	09.91-02.98	0 986 356 801	B 801
			Mot.-Nr. 14672354→Fgst.Nr.R8999999	09.91-02.98	0 986 357 127	B 127
		100	X 20 XEV <DOHC Ecotec>			
			Fg.-Nr. W2000000→	01.95-02.98	0 986 357 284	B 284
			Fg.-Nr. →V8999999	01.95-02.98	0 986 357 237	B 237
		110	C 20 XE / XE-LN <DOHC>	09.91-02.98		
			Mot.-Nr. →14002934	09.91-02.98	0 986 357 233	B 233
			Mot.-Nr. 14002935→	09.91-02.98		
			C 20 XE <DOHC>	09.91-02.98		
			Mot.-Nr. →14002934	09.91-02.98	0 986 357 233	B 233
			Mot.-Nr. 14002935→	09.91-02.98		

Astra G

1.6	1,6	55/62	X 16 SZR <Ecotec>; Z 16 SE <Ecotec>	09.97-01.05	0 986 357 126	B 126
		76	Z 16 XEP <Ecotec>	03.03-07.09		

Calibra

2.0	2,0	85	C 20 NE			
			Fg.-Nr. S1.....→; S9.....→	06.90-03.97	0 986 357 242	B 242
			Mot.-Nr. →14180385	06.90-03.97		
			Mot.-Nr. →14672352	06.90-03.97	0 986 356 801	B 801
			Mot.-Nr. 14180386→	06.90-03.97		
			Mot.-Nr. 14672353→Fg.-Nr. R1.....;	06.90-03.97	0 986 357 125	B 125
			Mot.-Nr. 14672353→Fg.-Nr. R9.....			
		100	X 20 XEV <Ecotec DOHC II>			
			Mot.-Nr. →14195306	09.93-08.96	0 986 357 237	B 237
			Mot.-Nr. 14195307→	09.93-08.96	0 986 357 284	B 284
		110	C 20 XE / XE-LN <DOHC>			
			Fg.-Nr. P1000001→; P9000001→	06.90-03.97	0 986 357 237	B 237
			Mot.-Nr. →14028514	06.90-03.97	0 986 357 139	B 139
				WW	0 986 357 227	B 227
			Mot.-Nr. 14180386→Fg.-Nr. N1999999	06.90-03.97	0 986 357 233	B 233
		150	C 20 LET	03.92-03.97	0 986 357 233	B 233
2.5	2,5	125	C 25 XE; X 25 XE			
			Mot.-Nr. →08145499	04.93-03.97	0 986 357 143	B 143
			Mot.-Nr. 08145500→	04.93-03.97	0 986 357 050	B 050

Combo

1.2	1,2	33	C 12 NZ	09.94-10.01		
			Mot.-Nr. →19334656	09.94-10.01	0 986 357 148	B 148
			Mot.-Nr. 19330001→	09.94-10.01	0 986 357 226	B 226
			Mot.-Nr. 19334657→	09.94-10.01	WW	0 986 357 247
			X 12 SZ <Ecotec>			
			Mot.-Nr. →19330000	09.94-10.01	0 986 357 124	B 124
			Mot.-Nr. 02HY3580→	09.94-10.01	0 986 357 126	B 126
			Mot.-Nr. 19330001→	09.94-10.01	0 986 357 226	B 226
			Mot.-Nr. 19330001→02HY3579	09.94-10.01		
		12 NZ		06.00-10.01		
			Mot.-Nr. →19334656	06.00-10.01	0 986 357 148	B 148
			Mot.-Nr. 19334657→	06.00-10.01	WW	0 986 357 247



1	2	3	4	5	6	7	8
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				0 986 356 090
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
							0 986 356 090
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
							0 986 356 090
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
							Astra G
0 986 356 252	0 986 356 252	0 986 356 252	0 986 356 251				
0 986 356 252	0 986 356 252	0 986 356 252	0 986 356 251				
							Calibra
		0 986 356 246	0 986 356 246				
							0 986 356 046
0 986 356 080	0 986 356 080	0 986 356 078					
							0 986 356 229
0 986 356 088	0 986 356 088	0 986 356 086	0 986 356 086				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180				
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180				
							Combo
							0 986 356 229
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
0 986 356 239	0 986 356 237						
0 986 356 252	0 986 356 252	0 986 356 252	0 986 356 251				
0 986 356 247	0 986 356 246	0 986 356 244	0 986 356 243				
							0 986 356 229
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				



◀ OPEL

1.4	1,4	44	C 14 NZ	09.94-10.01	KL			
			Mot.-Nr. →02BF1475; →19241622	09.94-10.01		0 986 357 148	B 148	
			Mot.-Nr. 02BF1476→; 19241623→	09.94-10.01		KL,WW	0 986 357 247	B 247
						KL	0 986 356 746	B 746
			X 14 SZ <Ecotec>					
			Mot.-Nr. →02HY3579; →19747137	04.96-10.01			0 986 357 226	B 226
			Mot.-Nr. 02HY3580→	04.96-10.01			0 986 357 126	B 126
	60	C 14 SE						
Mot.-Nr. →02BD1412; →19262000		09.94-10.01		0 986 357 124	B 124			
Mot.-Nr. 02BD1413→02HY3579; 19262001→		09.94-10.01		0 986 357 226	B 226			
Mot.-Nr. 02HY3580→		09.94-10.01		0 986 357 126	B 126			
	66	C 14 SEL						
Mot.-Nr. →20C17331		08.99-10.01		0 986 356 778	B 778			
			WW	0 986 357 234	B 234			
		08.08→		0 986 356 778	B 778			
			WW	0 986 357 234	B 234			
Mot.-Nr. 20C17332→		08.99-10.01						
		08.08→						
1.6	1,6	64	Z 16 SE <Ecotec>	10.01-08.04		0 986 357 126	B 126	
		71	Y 16 YNG <Ecotec-Gas CNG>	04.05-05.06				
Corsa A								
1.0	1,0	33	10 S OHV	09.82-08.94		0 986 356 862	B 862	
1.2	1,2	33	C 12 NZ <OHC>	09.90-08.94		0 986 357 148	B 148	
			Mot.-Nr. 19B38644→	09.90-08.94				
		37-40	A 12 ST <OHC>	09.86-08.94		0 986 356 886	B 886	
		38/40-44	S 12 ST <OHC>; 12 NV <OHC>; 12 S <OHC>; 12 ST <OHC>	09.82-08.94		0 986 356 886	B 886	
1.3	1,3	51	13 S <OHC>; 13 SB <OHC>	09.82-08.94		0 986 356 886	B 886	
1.4	1,4	40-44	C 14 NZ <OHC>	01.90-08.94		0 986 357 148	B 148	
			Mot.-Nr. 02N40263→	01.90-08.94				
		53	14 NV <OHC>	01.90-08.94		0 986 357 148	B 148	
			Mot.-Nr. 19585416→	01.90-08.94				
		60	C 14 SE <OHC>	09.91-08.94				
					TW	0 986 357 063	B 063	
			Mot.-Nr. →02T14052	09.91-08.94		0 986 357 148	B 148	
			Mot.-Nr. →19585415	09.91-08.94	TW			
	Mot.-Nr. 02T14053→	09.91-08.94		0 986 357 124	B 124			
	Mot.-Nr. 19585416→	09.91-08.94	TW					
1.6	1,6	55	C 16 NZ <OHC>	04.89-08.94				
			Fg.-Nr. M4000001→	04.89-08.94				
			Fg.-Nr. →L4999999	04.89-08.94				
		72	C16 SEI <OHC Irmischer>					
			Mot.-Nr. →02V57973	09.89-08.94		0 986 357 063	B 063	
		74	C 16 SE <OHC>	05.88-08.94				
			Mot.-Nr. →02V57973	05.88-08.94		0 986 356 746	B 746	
			Mot.-Nr. 02V57974→	05.88-08.94		0 986 357 148	B 148	
	E 16 SE <OHC>							
	Fg.-Nr. K4000001→	05.88-08.94						
	Mot.-Nr. 02E88110→	05.88-08.94						
Corsa B								
1.2	1,2	33	C 12 NZ	03.93-08.00				
			Mot.-Nr. →19334656	03.93-08.00		0 986 357 148	B 148	
			Mot.-Nr. 19334657→	03.93-08.00	WW	0 986 357 247	B 247	
		X 12 SZ <Ecotec>						
		Mot.-Nr. →19330000	03.93-08.00		0 986 357 124	B 124		
		Mot.-Nr. 02HY3580→	03.93-08.00		0 986 357 126	B 126		
		Mot.-Nr. 19330001→	03.93-08.00		0 986 357 226	B 226		
		Mot.-Nr. 19330001→02HY3579	03.93-08.00					
		12 NZ	03.93-08.00					
	Mot.-Nr. →19334656	03.93-08.00		0 986 357 148	B 148			
	Mot.-Nr. 19334657→	03.93-08.00	WW	0 986 357 247	B 247			



1	2	3	4	5	6	7	8	
								0 986 356 229
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237					
0 986 356 247	0 986 356 246	0 986 356 244	0 986 356 243					
0 986 356 252	0 986 356 252	0 986 356 252	0 986 356 251					
0 986 356 239	0 986 356 237							
0 986 356 247	0 986 356 246	0 986 356 244	0 986 356 243					
0 986 356 252	0 986 356 252	0 986 356 252	0 986 356 251					
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183					
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183					
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180					
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180					
0 986 356 252	0 986 356 252	0 986 356 252	0 986 356 251					
0 986 356 252	0 986 356 252	0 986 356 252	0 986 356 251					
								Corsa A
0 986 356 023	0 986 356 023	0 986 356 021	0 986 356 021					0 986 356 049
								0 986 356 229
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237					
0 986 356 084	0 986 356 084	0 986 356 061	0 986 356 061					0 986 356 061
0 986 356 084	0 986 356 084	0 986 356 061	0 986 356 061					0 986 356 061
0 986 356 084	0 986 356 084	0 986 356 061	0 986 356 061					0 986 356 061
								0 986 356 229
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237					
								0 986 356 229
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237					
								0 986 356 229
0 986 356 087	0 986 356 086							
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237					
0 986 356 088	0 986 356 088	0 986 356 087	0 986 356 086					
0 986 356 239	0 986 356 237							
0 986 356 088	0 986 356 086	0 986 356 086	0 986 356 086					
								0 986 356 061
0 986 356 218	0 986 356 217	0 986 356 085	0 986 356 061					
0 986 356 084	0 986 356 084	0 986 356 085	0 986 356 061					
0 986 356 087	0 986 356 086							0 986 356 089
								0 986 356 229
0 986 356 088	0 986 356 088	0 986 356 087	0 986 356 086					
0 986 356 239	0 986 356 237							
								0 986 356 089
0 986 356 088	0 986 356 088	0 986 356 086	0 986 356 086					
								Corsa B
								0 986 356 229
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237					
0 986 356 239	0 986 356 237							
0 986 356 252	0 986 356 252	0 986 356 252	0 986 356 251					
0 986 356 181	0 986 356 181	0 986 356 180	0 986 356 180					
0 986 356 247	0 986 356 246	0 986 356 244	0 986 356 243					
								0 986 356 229
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237					



							
l/ccm		kW		Typ		SET	

◀ OPEL

1.4	1,4	44	C 14 NZ	03.93-08.00	KL		
			Mot.-Nr. →02BF1475; →19241622	03.93-08.00		0 986 357 148	B 148
			Mot.-Nr. 02BF1476→; 19241623→	03.93-08.00	KL,WW	0 986 357 247	B 247
					KL	0 986 356 746	B 746
			X 14 SZ <Ecotec>				
			Mot.-Nr. →02HY3579; →19747137	09.96-09.00		0 986 357 226	B 226
			Mot.-Nr. 02HY3580→	09.96-09.00		0 986 357 126	B 126
			60	C 14 SE			
			Mot.-Nr. →02BD1412; →19262000	03.93-08.00		0 986 357 124	B 124
			Mot.-Nr. 02BD1413→02HY3579; 19262001→	03.93-08.00		0 986 357 226	B 226
	Mot.-Nr. 02HY3580→	03.93-08.00		0 986 357 126	B 126		
63	C 14 SEL						
	Mot.-Nr. →20C17331	03.98-08.00		0 986 356 778	B 778		
			WW	0 986 357 234	B 234		
	Mot.-Nr. 20C17332→	03.98-08.00					
66	X 14 XE <Ecotec>						
	Mot.-Nr. →20C17331	03.93-08.99		0 986 356 778	B 778		
			WW	0 986 357 234	B 234		
	Mot.-Nr. 20C17332→	03.93-08.99					
1.6	1,6	74	C 16 SEL				
			Mot.-Nr. →20C17331	06.98-08.00		0 986 356 778	B 778
					WW	0 986 357 234	B 234
			Mot.-Nr. 20C17332→	06.98-08.00			
		78	X 16 XE <Ecotec>				
			Mot.-Nr. →20C17331	03.93-08.99		0 986 356 778	B 778
					WW	0 986 357 234	B 234
			Mot.-Nr. 20C17332→	03.93-08.99			
		80	C 16 XE				
			Mot.-Nr. →20C17331	03.93-08.00		0 986 356 778	B 778
			WW	0 986 357 234	B 234		
	Mot.-Nr. 20C17332→	03.93-08.00					
Corsa C							
1.6	1,6	62	Z 16 SE <Ecotec>	09.01-08.05		0 986 357 126	B 126
Frontera							
2.0	2,0	85	C 20 NE				
			Mot.-Nr. →14672353	09.91-08.95		0 986 356 850	B 850
			Mot.-Nr. 14672354→	09.91-08.95		0 986 357 125	B 125
			X 20 SE <Ecotec>	02.95-08.98		0 986 357 228	B 228
2.2	2,2	100	X 22 XE <Ecotec>	02.95-08.98		0 986 357 228	B 228
2.4	2,4	92	C 24 NE CIH	09.91-08.95		0 986 356 864	B 864
Meriva							
1.6	1,6	64	Z 16 SE <Ecotec>	03.03-09.05		0 986 357 126	B 126
Monterey							
3.2	3,2	130	6VDI	04.92-12.97		0 986 357 167	B 167
Omega A							
1.8	1,8	60	S 18 NV				
			Fg.-Nr. L1204908→	09.86-03.94		0 986 357 125	B 125
			Mot.-Nr. →14258179	09.86-03.94		0 986 356 800	B 800
			Mot.-Nr. 14258180→Fg.-Nr. L1204907	09.86-03.94		0 986 356 850	B 850
		65	E 18 NVR				
			Fg.-Nr. L1204908→	09.87-03.94		0 986 357 125	B 125
			Mot.-Nr. →14258179	09.87-03.94		0 986 356 800	B 800
			Mot.-Nr. 14258180→Fg.-Nr. L1204907	09.87-03.94		0 986 356 850	B 850
		66	18 SV				
			Fg.-Nr. L1204908→	09.86-03.94		0 986 357 125	B 125
			Mot.-Nr. 14258180→Fg.-Nr. L1204907	09.86-03.94		0 986 356 850	B 850
		85	18 SEH				
			Fg.-Nr. L1204908→	09.86-03.94		0 986 357 125	B 125
			Mot.-Nr. →14258179	09.86-03.94		0 986 356 800	B 800
			Mot.-Nr. 14258180→Fg.-Nr. L1204907	09.86-03.94		0 986 356 850	B 850



							
1	2	3	4	5	6	7	8
0 986 356 229							
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
0 986 356 247	0 986 356 246	0 986 356 244	0 986 356 243				
0 986 356 252	0 986 356 252	0 986 356 252	0 986 356 251				
0 986 356 239	0 986 356 237						
0 986 356 247	0 986 356 246	0 986 356 244	0 986 356 243				
0 986 356 252	0 986 356 252	0 986 356 252	0 986 356 251				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180				
0 986 356 252	0 986 356 252	0 986 356 252	0 986 356 251				
Corsa C							
0 986 356 252	0 986 356 252	0 986 356 252	0 986 356 251				
Frontera							
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
0 986 356 252	0 986 356 252	0 986 356 252	0 986 356 251				
Meriva							
0 986 356 252	0 986 356 252	0 986 356 252	0 986 356 251				
Monterey							
Omega A							
0 986 356 240	0 986 356 087	0 986 356 237					
			0 986 356 019				
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
			0 986 356 019				
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
			0 986 356 019				
0 986 356 080	0 986 356 080	0 986 356 078					



◀ OPEL

2.0	2,0	85	C 20 NE					
			Mot.-Nr. →14180385	09.86-03.94		0 986 356 800	B 800	
			Mot.-Nr. 14180386→14672352	09.86-03.94		0 986 356 850	B 850	
			Mot.-Nr. 14672353→	09.86-03.94		0 986 357 125	B 125	
		90	20 SE					
			Fg.-Nr. K1000099→Mot.-Nr. 14180385	09.86-03.94		0 986 356 800	B 800	
			Mot.-Nr. 14180386→14312950	09.86-03.94		0 986 356 850	B 850	
			Mot.-Nr. 14312951→	09.86-03.94		0 986 357 125	B 125	
2.4	2,4	92	C 24 NE CIH					
			Mot.-Nr. →01036313	09.88-03.94				
			Mot.-Nr. 01036314→	09.88-03.94		0 986 356 864	B 864	
2.6	2,6	110	C 26 NE CIH	09.90-03.94		0 986 356 814	B 814	
3.0	3,0	130	C 30 NE CIH					
			Fg.-Nr. K1000098→; K1000099→Mot.-Nr. 01026690	01.88-03.94				
			Fg.-Nr. K1000099→Mot.-Nr. 01026690	01.88-03.94				
			Fg.-Nr. →K1000098	01.88-03.94				
			Mot.-Nr. →01026690	01.88-03.94		0 986 357 011	B 011	
			Mot.-Nr. 01026691→	01.88-03.94		0 986 357 086	B 086	
		147-150	C 30 SE, SEJ	09.89-03.94				
Omega B								
2.0	2,0	85	X 20 SE <Ecotec>					
			Mot.-Nr. →14367064	04.94-08.98		0 986 357 126	B 126	
			20 SE <Ecotec>					
			Mot.-Nr. →14367064	04.94-08.98		0 986 357 126	B 126	
		100	X 20 XEV <Ecotec>	09.93-08.99	TW	0 986 357 237	B 237	
2.5	2,5	125	X 25 XE <Ecotec>					
			Mot.-Nr. →08145499	04.94-11.00		0 986 357 055	B 055	
			Mot.-Nr. 08145500→	04.94-11.00		0 986 357 050	B 050	
3.0	3,0	155	X 30 XE <Ecotec>					
			Mot.-Nr. →08145499	04.94-02.01		0 986 357 055	B 055	
			Mot.-Nr. 08145500→	04.94-02.01		0 986 357 050	B 050	
Sintra								
2.2	2,2	104	X 22 XE <Ecotec>	09.96-09.99		0 986 357 237	B 237	
3.0	3,0	148	X 30 XE <Ecotec>	09.96-09.99		0 986 357 055	B 055	
Tigra								
1.4	1,4	63-66	X 14 XE <Ecotec>					
			Mot.-Nr. →20C17331	09.94-08.99		0 986 356 778	B 778	
					WW	0 986 357 234	B 234	
			Mot.-Nr. 20C17332→	09.94-08.99				
1.6	1,6	74	C 16 SEL <Ecotec>					
			Mot.-Nr. →20C17331	08.97-08.98		0 986 356 778	B 778	
					WW	0 986 357 234	B 234	
					Mot.-Nr. 20C17332→	08.97-08.98		
		78	X 16 XE <Ecotec>					
			Mot.-Nr. →20C17331	09.94-08.99		0 986 356 778	B 778	
			WW	0 986 357 234	B 234			
			Mot.-Nr. 20C17332→	09.94-08.99				
Vectra A								
1.6	1,6	52	X 16 SZ					
			Fg.-Nr. R1000001→; R5000001→; R7500001→	09.93-08.95		0 986 357 226	B 226	
			Fg.-Nr. →P1999999; →P5999999; →P7999999	09.93-08.95		0 986 357 124	B 124	
		55	C 16 LZ2	09.92-08.95				
			Fg.-Nr. P1000001→; P5000001→; P7000001→	09.92-08.95		0 986 357 242	B 242	
			C 16 NZ2	09.93-08.95				
			Fg.-Nr. P1000001→; P5000001→; P7000001→	09.93-08.95		0 986 357 242	B 242	
		55-60	E 16 NZ, C 16 NZ	09.88-08.95				
			Fg.-Nr. R1000001→; R5000001→; R7500001→	09.93-08.95		0 986 357 156	B 156	
			Mot.-Nr. →02V65825	09.88-08.95		0 986 356 723	B 723	
		60	16 SV					
			Mot.-Nr. →02E85672	09.88-08.95		0 986 356 723	B 723	
			Mot.-Nr. 02E85673→	09.88-08.95		0 986 357 148	B 148	
			Mot.-Nr. 02E85673→02N39785	09.88-08.95				
			Mot.-Nr. 02N39786→	09.88-08.95				



1	2	3	4	5	6	7	8
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
0 986 356 019	0 986 356 021	0 986 356 023	0 986 356 027				
							0 986 356 229
0 986 356 017	0 986 356 019	0 986 356 023	0 986 356 025	0 986 356 027	0 986 356 029		
							0 986 356 089
							0 986 356 042
							0 986 356 090
							0 986 356 190
Omega B							
0 986 356 240	0 986 356 239	0 986 356 237	0 986 356 237				
0 986 356 240	0 986 356 239	0 986 356 237	0 986 356 237				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
Sintra							
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
Tigra							
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180				
Vectra A							
0 986 356 247	0 986 356 246	0 986 356 244	0 986 356 243				
0 986 356 239	0 986 356 237						
		0 986 356 246	0 986 356 246				0 986 356 229
		0 986 356 246	0 986 356 246				0 986 356 229
							0 986 356 061
0 986 356 218	0 986 356 217	0 986 356 085	0 986 356 061				
0 986 356 218	0 986 356 217	0 986 356 085	0 986 356 061				0 986 356 061
							0 986 356 229
0 986 356 240	0 986 356 240	0 986 356 239	0 986 356 237				
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				



							
/ccm							

◀ OPEL

1.8	1,8	65	E 18 NVR	Mot.-Nr. →14180385	09.88-08.95		0 986 356 722	B 722
			Mot.-Nr. 14180386→	09.88-08.95				
			Mot.-Nr. 14180386→14275381	09.88-08.95		0 986 356 801	B 801	
			Mot.-Nr. 14275382→14279654	09.88-08.95		0 986 357 125	B 125	
			Mot.-Nr. 14279655→	09.88-08.95		0 986 357 242	B 242	
			66	C 18 NZ		03.90-08.95		
		Mot.-Nr. →14349310	03.90-08.95		0 986 356 801	B 801		
		Mot.-Nr. 14349311→14432540	03.90-08.95		0 986 357 125	B 125		
		Mot.-Nr. 14432541→	03.90-08.95		0 986 357 242	B 242		
		18 SV						
		Mot.-Nr. →14180385	09.89-08.95		0 986 356 722	B 722		
		Mot.-Nr. 14180386→	09.89-08.95					
		Mot.-Nr. 14180386→14275381	09.89-08.95		0 986 356 801	B 801		
		Mot.-Nr. 14275382→14279654	09.89-08.95		0 986 357 125	B 125		
		Mot.-Nr. 14279655→	09.89-08.95		0 986 357 242	B 242		
		2.0	2,0	74-85	20 NE, C 20 NE/NEF			
Mot.-Nr. →14180385	09.88-08.95					0 986 356 722	B 722	
Mot.-Nr. 14180386→	09.88-08.95							
Mot.-Nr. 14180386→14672352	09.88-08.95					0 986 356 801	B 801	
Mot.-Nr. 14672353→14841581	09.88-08.95					0 986 357 125	B 125	
Mot.-Nr. 14841582→	09.88-08.95					0 986 357 242	B 242	
85	20 NE, C 20 NE							
	Mot.-Nr. →14180385			01.89-08.95		0 986 356 722	B 722	
	Mot.-Nr. 14180386→			01.89-08.95				
	Mot.-Nr. 14180386→14672352			01.89-08.95		0 986 356 801	B 801	
	Mot.-Nr. 14672353→14841581			01.89-08.95		0 986 357 125	B 125	
	Mot.-Nr. 14841582→			01.89-08.95		0 986 357 242	B 242	
95	20 SEH							
	Mot.-Nr. →14180385			09.88-08.95				
	Mot.-Nr. 14180386→			09.88-08.95				
	Mot.-Nr. 14180386→14672352			09.88-08.95		0 986 356 801	B 801	
	Mot.-Nr. 14672353→			09.88-08.95		0 986 357 125	B 125	
100	X 20 XEV <Ecotec>			11.93-08.95		0 986 357 237	B 237	
110	C 20 XE/XEJ							
	Fg.-Nr. P1000001→; P5000001→; P7500001→			09.92-08.95		0 986 357 237	B 237	
	Mot.-Nr. →14028514			09.92-08.95		0 986 357 139	B 139	
					WW	0 986 357 227	B 227	
	Mot.-Nr. 14028515→Fg.-Nr. NV999999;			09.92-08.95		0 986 357 233	B 233	
	Mot.-Nr. 14028515→Fg.-Nr. N1999999;							
	Mot.-Nr. 14028515→Fg.-Nr. N5999999							
	20 XE/XEJ							
	Fg.-Nr. P1000001→; P5000001→; P7500001→			09.92-08.95		0 986 357 237	B 237	
	Mot.-Nr. →14180385; →14028514			09.92-08.95		0 986 357 139	B 139	
					WW	0 986 357 227	B 227	
	Mot.-Nr. 14180386→Fg.-Nr. NV999999;			09.92-08.95		0 986 357 233	B 233	
	Mot.-Nr. 14180386→Fg.-Nr. N1999999;							
	Mot.-Nr. 14180386→Fg.-Nr. N5999999							
150	C 20 LET			09.92-08.95		0 986 357 233	B 233	
2.5	2,5	125	C 25 XE					
			Mot.-Nr. →08145499	02.93-08.95		0 986 357 143	B 143	
			Mot.-Nr. 08145500→	02.93-08.95		0 986 357 050	B 050	
Vectra B								
1.6	1,6	55	X 16 SZR <Ecotec>					
			Mot.-Nr. →02HP7704	09.96-07.03		0 986 357 226	B 226	
			Mot.-Nr. 02HP7705→	09.96-07.03		0 986 357 126	B 126	
		16 LZ2	09.95-07.03		0 986 357 242	B 242		
		74	X 16 XEL <Ecotec>	09.95-07.02		0 986 356 778	B 778	
					WW	0 986 357 234	B 234	
1.8	1,8	85	X 18 XE <Ecotec>	09.95-09.00	TW	0 986 357 237	B 237	
2.0	2,0	82	20 NEJ					
			Mot.-Nr. →14885919	09.95-02.02		0 986 357 126	B 126	
		100	C 20 SEL; X 20 XEV <Ecotec>	09.95-09.02	TW	0 986 357 237	B 237	





							
l/ccm		kW		Typ		SET	

◀ OPEL

2.2	2,2	106	C 22 SEL	06.00-09.02	0 986 357 237	B 237
2.5	2,5	125-143	X 25 XE <Ecotec>	09.95-09.00	0 986 357 162	B 162

OTOSAN

Taunus

1.6	1,6	52		01.89-01.99		
2.0	2,0	74		01.89-01.99		

PEUGEOT

Boxer

2.0	2,0	80-81	RFL <XU10J2>; RFW <XU10J2>	02.94-05.06	0 986 356 854	B 854
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Expert (G9,U64)

1.6	1,6	58	220 A2.000 <1580 SPI>	09.95-05.00	0 986 356 854	B 854
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Partner (M4,M5,B9)

1.1	1,1	44	HDY <TU1M+>; HDZ <TU1M+>	07.96-08.02	WW	0 986 357 240	B W240
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1.4	1,4	51-52	K5A <TU3.2>	11.96-08.02		0 986 356 889	B 889
		55	KFX <TU3JP>				

			Org.-Nr. →7874	07.96-06.98	WW	0 986 357 240	B W240
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1.8	1,8	66	LFX <XU7JB>	03.97-08.02		0 986 356 854	B 854
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Ranch

1.4	1,4	55	KFX <TU3JP>				
			Org.-Nr. →7874	07.97-06.98	WW	0 986 357 240	B W240

106 (S1,S2)

1.0	1,0	33	C1A,C1B <TU9>	09.91-04.96		0 986 356 889	B 889
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		33/37	CDY <TU9M>; CDZ <TU9M>	07.92-05.05		0 986 356 830	B 830
					WW	0 986 357 240	B W240

1.1	1,1	40-44	HDY <TU1M+>; HDY <TU1M>; HDZ <TU1M+>	08.92-05.05		0 986 356 830	B 830
					WW	0 986 357 240	B W240

		40/44	H1A, H1B <TU1>; H3A <TU1>	09.91-05.05		0 986 356 889	B 889
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1.3	1,3	72-74	MFZ <TU2J2>	10.93-04.96		0 986 356 830	B 830
					WW	0 986 357 240	B W240

1.4	1,4	44/55	K2D <TU3.2>; K3A <TU3>; K5A <TU3.2>	09.91-05.05		0 986 356 889	B 889
		55	KDY <TU3M Kat.>	09.91-02.94		0 986 356 889	B 889

					WW	0 986 357 251	B W251
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			KFX <TU3JP>	05.96-02.98		0 986 356 830	B 830
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			Org.-Nr. →7727	05.96-02.98	GS,WW	0 986 357 240	B W240
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		55-56	KDX <TU3FMC Kat.>; KDX <TU3MC Kat.>	12.92-04.96		0 986 356 830	B 830
					WW	0 986 357 240	B W240

		69	KFZ <TU3FJ Kat.>	09.91-04.96		0 986 356 830	B 830
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					WW	0 986 357 240	B W240
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		72	K6B <TU3FJ>	09.91-04.96		0 986 356 830	B 830
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					WW	0 986 357 240	B W240
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1.6	1,6	65-66/74-77/87-88	NFW <TU5J2>; NFX <TU5J4>; NFY <TU5J2>; NFZ <TU5JP>	06.93-05.05		0 986 356 830	B 830
					WW	0 986 357 240	B W240

205

1.0	1,0	33-37	CDZ,CDY <TU9M>; C1A,C1B <TU9>	10.87-09.98		0 986 356 889	B 889
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					WW	0 986 357 251	B W251
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1.1	1,1	44	HDZ, HDY <TU1M>	07.89-09.98		0 986 356 889	B 889
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					WW	0 986 357 251	B W251
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1.4	1,4	44-50/55-58	KDY <TU3FM Kat.(Gußmot.)>; KDY <TU3M Kat.>; K1D,K1F <TU3A>	10.87-09.98		0 986 356 889	B 889
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					WW	0 986 357 251	B W251
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		44/55	K2D <TU3.2>; K3A <TU3>	01.93-12.94		0 986 356 830	B 830
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					WW	0 986 357 240	B W240
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1.6	1,6	53-58	B1E,B2A, B2B,B2C <XU51C>	11.90-09.98		0 986 356 794	B 794
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		65	BDY <XU5M Kat.>	11.90-09.98		0 986 356 854	B 854
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		83	B6E <XU5JA>	11.90-09.98	AG	0 986 356 820	B 820
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1.9	1,9	75/88	DFY,DKZ <XU9JAZ Kat.>; DFZ <XU9J1 Kat.>	01.91-10.94		0 986 356 820	B 820
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		90-94	D6B <XU9JA>	01.91-09.98		0 986 356 820	B 820
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1	2	3	4	5	6	7	8
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				

OTOSAN

				Taunus
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120	0 986 356 098
0 986 356 119	0 986 356 119	0 986 356 120	0 986 356 120	0 986 356 098

PEUGEOT

Boxer

Expert (G9,U64)

Partner (M4,M5,B9)

0 986 356 061

Ranch

106 (S1,S2)

0 986 356 061

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0 986 356 061

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0 986 356 061
0 986 356 061

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0 986 356 063

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0 986 356 057



							
l/ccm		kW		Typ		SET	

◀ PEUGEOT

306							
1.8	1,8	74	<XU7JP>	03.97-03.07		0 986 356 854	B 854
306 (N3,N5)							
1.1	1,1	40/44	HDY <TU1M+>; HDY <TU1M>; HDZ <TU1M+>; HDZ <TU1M>	01.93-04.97	WW	0 986 357 240	B W240
1.4	1,4	44/55	K2D <TU3.2>; K3A <TU3>; K5A <TU3.2>	01.93-10.03		0 986 356 889	B 889
		55	KDX <TU3MC>	01.93-04.97		0 986 356 830	B 830
					WW	0 986 357 240	B W240
			KFX <TU3JP>	09.96-04.97		0 986 356 830	B 830
					WW	0 986 357 240	B W240
			Org.-Nr. →7874	05.97-06.98	WW	0 986 357 240	B W240
1.6	1,6	65-66	NFZ <TU5JP>	01.93-04.97	WW	0 986 357 240	B W240
				01.93-10.00		0 986 356 830	B 830
			Org.-Nr. →7874	05.97-06.98	WW	0 986 357 240	B W240
1.8	1,8	74-76/81	LFY <XU7JP4>; LFZ <XU7JP KAT.>; LFZ <XU7JP KAT.>; L6A <XU7JP>	01.93-10.03		0 986 356 854	B 854
2.0	2,0	89-90	RFX <XU10J2 Kat.>; R6D <XU10J2>	08.93-04.97		0 986 356 727	B 727
405 (4,15)							
1.4	1,4	55	KDX <TU3MC Kat.>	06.92-04.97	WW	0 986 357 240	B W240
			K2D <TU3.2>	06.92-04.97		0 986 356 889	B 889
1.6	1,6	65-66/68	BDY <XU5M Kat.>; BFZ <XU5JP>; B2A <XU52C>; B5A <XU52C>	06.92-04.97		0 986 356 854	B 854
1.8	1,8	74-76	LFZ <XU7JP Kat.>; L6A <XU7JP>	06.92-04.97		0 986 356 854	B 854
1.9	1,9	89	D6D <XU9J2>	06.92-04.97		0 986 356 727	B 727
2.0	2,0	89-91	RFX <XU10J2 Kat.>; R6D <XU10J2>	06.92-04.97		0 986 356 727	B 727
406 (D8,D9)							
1.6	1,6	65	BFZ <XU5JP>	10.95-06.04		0 986 356 854	B 854
1.8	1,8	66/74-76/ 81-82	LFY <XU7JB>; LFY <XU7JP4>; LFY <XU7JP4/L3>; L6A <XU7JP>	10.95-06.04		0 986 356 854	B 854
2.0	2,0	97	RFV <XU10J4R>	04.99-06.04		0 986 356 727	B 727
		97-99	RFV <XU10J4R>	10.95-03.99		0 986 356 727	B 727
				03.97-03.99		0 986 356 727	B 727
		104-110	RG... <XU10J2TE>	04.96-03.99		0 986 356 727	B 727
605							
2.0	2,0	79	R5A <XU102C>	10.89-05.99		0 986 357 123	B 123
		79-81/89-90	RDZ <XU10M KAT.>; RFZ <XU10J2 KAT.>	01.91-06.94		0 986 356 727	B 727
		94	R6A <XU10J2>	01.91-08.96		0 986 356 727	B 727
		104	RGY <XU10J2TE KAT.>	07.92-06.94		0 986 356 727	B 727
		104-110	RGX <XU10J2TE KAT.>	07.94-05.99		0 986 356 727	B 727
806							
2.0	2,0	89-90	RFU <XU10J2>	06.94-08.02		0 986 356 727	B 727

PLYMOUTH

Acclaim

3.0	3,0	104	EFA	09.88-08.95		0 986 356 714	B 714
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PROTON

Persona

1.3	1,3	55	4G13B Euro I	12.95-06.99		0 986 357 093	B 093
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RENAULT

Clio I

1.1	1,1	35-36	C1E 700	06.90-03.96	ZMB	0 986 357 117	B 117
1.2	1,2	40	C3G 700,720	09.95-03.96			
					ZMS	0 986 356 798	B 798
		40-41/44	E7F 706 Kat.; E7F 708; E7F 708 Kat.; E7F 750 Kat.	06.90-02.98	WW,ZVS	0 986 357 250	B W250
					ZVS	0 986 356 888	B 888



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306

306 (N3,N5)

0 986 356 061

0 986 356 130 0 986 356 131 0 986 356 135 0 986 356 132

405 (4,15)

0 986 356 061

0 986 356 130 0 986 356 131 0 986 356 135 0 986 356 132

0 986 356 130 0 986 356 131 0 986 356 135 0 986 356 132

406 (D8,D9)

0 986 356 130 0 986 356 131 0 986 356 135 0 986 356 132

0 986 356 130 0 986 356 131 0 986 356 135 0 986 356 132

0 986 356 130 0 986 356 131 0 986 356 135 0 986 356 132

605

0 986 356 057 0 986 356 058

0 986 356 058

0 986 356 130 0 986 356 131 0 986 356 135 0 986 356 132

0 986 356 130 0 986 356 131 0 986 356 135 0 986 356 132

0 986 356 130 0 986 356 131 0 986 356 135 0 986 356 132

0 986 356 130 0 986 356 131 0 986 356 135 0 986 356 132

806

0 986 356 130 0 986 356 131 0 986 356 135 0 986 356 132

PLYMOUTH

Acclaim

0 986 356 004 0 986 356 006 0 986 356 008 0 986 356 008 0 986 356 008 0 986 356 010

0 986 356 042

PROTON

Persona

0 986 356 008 0 986 356 006 0 986 356 004 0 986 356 002

RENAULT

Clio I

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019

0 986 356 046

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019

0 986 356 035

0 986 356 062

0 986 356 061 0 986 356 062 0 986 356 149 0 986 356 149

0 986 356 062



							
l/100km		kW		Typ		SET	

◀ RENAULT

1.2	1,2	40-44	D7F 730	04.96-02.98	WW,ZVS	0 986 357 250	B W250
					ZMB	0 986 357 117	B 117
					ZVM	0 986 357 253	B W253
					ZVS	0 986 356 888	B 888
			E5F 710; E5F 716; E7F 700 Kat.; E7F 704 Kat.	06.90-02.98	WW,ZVS	0 986 357 250	B W250
					ZMB	0 986 357 117	B 117
					ZVS	0 986 356 888	B 888
1.4	1,4	55-57	E6J 712,713; E6J 718; E6J 760	06.90-02.98	WW,ZVS	0 986 357 250	B W250
				ZVS	0 986 356 888	B 888	
		55-59	E7J 601 Kat.; E7J 710,711 Kat.; E7J 716 Kat.; E7J 718,719 Kat.; E7J 756,757 Kat.	04.90-02.98		0 986 357 250	B W250
1.7	1,7	66-68	F2N 770	06.90-03.96		0 986 356 883	B 883
1.8	1,8	65-70/79-81	F3P 710 Kat.; F3P 712 Kat.; F3P 714 Kat.; F3P 744,745 Kat.; F3P 745 Kat.; F3P 748; F3P 754,755 Kat.; F3P 755 Kat.; F3P 758; F3P 758 Kat.	06.90-02.98		0 986 356 883	B 883
Clio II							
1.0	1,0	43	D7D 760	03.99-11.04			
		56	D4D	02.05-10.05		F 000 99C 602	
1.2	1,2	43	D7F 720	03.98-10.07		0 986 357 253	B W253
			D7F 722; D7F 726; D7F 744; D7F 746; D7F 764; D7F 766	03.98→			
1.4	1,4	55	E7J 634; E7J 635	03.99-10.07		0 986 357 256	B W256
			E7J 780	03.98-10.07		0 986 357 184	B 184
					WW	0 986 357 255	B W255
			K7J 700	10.00-03.05		0 986 357 256	B W256
1.6	1,6	66	K4M 746	10.99-10.07		0 986 357 256	B W256
			K7M 744; K7M 745	03.98-10.07		0 986 357 184	B 184
					WW	0 986 357 255	B W255
Clio III (BR/CR/KR)							
1.2	1,1	74	D4F 78...	08.07→			
Espace II							
2.0	2,0	77	J7R 768	01.91-09.96		0 986 356 704	B 704
2.2	2,2	79-81	J7T 772	01.91-09.96			
			J7T 772,773; J7T 776	01.91-09.96		0 986 356 704	B 704
2.9	2,9	110-113	Z7W 712,713	01.91-12.95		0 986 356 964	B 964
			Z7W 717	04.94-09.96		0 986 356 964	B 964
Espace III							
2.0	2,0	83,5	F3R 728; F3R 729; F3R 768; F3R 769	10.96-03.97	ZMS	0 986 357 210	B 210
				04.97-10.02	ZMM	0 986 356 967	B 967
3.0	3,0	123	Z7X 775	10.96-10.02		0 986 357 187	B 187
Express, Extra, Rapid							
1.1	1,1	36	C1E 762; C1E 764	09.91-10.97	ZMB	0 986 357 117	B 117
1.2	1,2	40	C3G 700,710	09.91-10.97			
					ZMS	0 986 356 798	B 798
1.4	1,4	43	E6J 734,712; E6J 738,712	09.91-09.97	WW,ZVS	0 986 357 250	B W250
				ZVS	0 986 356 888	B 888	
		44	C2J 782,784	06.87-09.97			
					ZMB	0 986 357 117	B 117
ZMS	0 986 356 798				B 798		
		C3J 762 Kat.	09.91-03.97	WW,ZVS	0 986 357 250	B W250	
				ZMB	0 986 357 117	B 117	
					ZVS	0 986 356 888	B 888
		55-59	E7J 720 Kat.; E7J 724,710 Kat.; E7J 726,710 Kat.; E7J 728,754 Kat.	09.91-10.97		0 986 357 250	B W250
Kangoo I							
1.0	1,0	43	D7D 700; D7D 760	09.98-12.07			
1.2	1,2	44	D7F 710; D7F 720; D7F 722; D7F 726; D7F 744; D7F 746; D7F 764; D7F 766	10.97-12.07			
1.4	1,4	55	E7J 634; E7J 635	09.98-12.07		0 986 357 256	B W256
			E7J 780	10.97-12.07		0 986 357 184	B 184
					WW	0 986 357 255	B W255
			K7J 700; K7J 701	06.00-03.05		0 986 357 256	B W256
1.6	1,6	66	K7M 746	09.99-12.07		0 986 357 256	B W256





1	2	3	4	5	6	7	8	
								0 986 356 062
0 986 356 273	0 986 356 272	0 986 356 271	0 986 356 270					
0 986 356 061	0 986 356 062	0 986 356 149	0 986 356 149					0 986 356 062
								0 986 356 062
0 986 356 061	0 986 356 062	0 986 356 149	0 986 356 149					0 986 356 062
								0 986 356 062
0 986 356 061	0 986 356 062	0 986 356 149	0 986 356 149					0 986 356 062
								0 986 356 062
0 986 356 061	0 986 356 062	0 986 356 062	0 986 356 063					0 986 356 062
0 986 356 061	0 986 356 062	0 986 356 062	0 986 356 063					0 986 356 061
								Clio II
0 986 356 273	0 986 356 272	0 986 356 271	0 986 356 270					
0 986 356 273	0 986 356 272	0 986 356 271	0 986 356 270					
0 986 356 273	0 986 356 272	0 986 356 271	0 986 356 270					
								Clio III (BR/CR/KR)
								0 986 356 062
								Espace II
								0 986 356 034
0 986 356 002	0 986 356 002	0 986 356 006	0 986 356 006					0 986 356 035
								0 986 356 034
								Espace III
								Express, Extra, Rapid
0 986 356 019	0 986 356 019	0 986 356 019	0 986 356 019					0 986 356 035
								0 986 356 062
0 986 356 061	0 986 356 062	0 986 356 149	0 986 356 149					0 986 356 062
0 986 356 019	0 986 356 019	0 986 356 019	0 986 356 019					0 986 356 046
								0 986 356 035
								0 986 356 062
0 986 356 061	0 986 356 062	0 986 356 149	0 986 356 149					0 986 356 062
								0 986 356 062
								Kangoo I
0 986 356 273	0 986 356 272	0 986 356 271	0 986 356 270					
0 986 356 273	0 986 356 272	0 986 356 271	0 986 356 270					



							
l/ccm		kW		Typ		SET	

◀ RENAULT

Laguna I									
1.8	1,8	66-70	F3P 670; F3P 674	09.95-03.97	ZMS	0 986 357 210	B 210		
				04.97-03.01	ZMM	0 986 356 967	B 967		
			F3P 676	05.98-02.01	ZMM	0 986 356 967	B 967		
			F3P 678; F3P 720; F3P 724	01.94-03.01		0 986 356 715	B 715		
				WW	0 986 357 230	B 230			
2.0	2,0	83-85	F3R 611	05.98-02.01	ZMM	0 986 356 967	B 967		
			F3R 722; F3R 723	01.94-02.01		0 986 356 715	B 715		
				WW	0 986 357 230	B 230			
			F3R 728; F3R 729; F3R 768; F3R 769	09.95-03.97	ZMS	0 986 357 210	B 210		
				04.97-02.01	ZMM	0 986 356 967	B 967		
		102	N7Q 700; N7Q 704	09.95-02.01		0 986 356 817	B 817		
				WW	0 986 357 238	B W238			
3.0	3,0	123-125	Z7X 760; Z7X 765; Z7X 767	01.94-02.01		0 986 357 187	B 187		
Logan									
1.4	1,4	55	K7J 710	07.04→		0 986 357 256	B W256		
1.6	1,6	64	K7M 710	07.04→		0 986 357 256	B W256		
Master I									
P28	2,0	63	J5R 718,728	10.86-09.97		0 986 357 216	B 216		
T28	2,0	57-59	J5R 718	10.86-09.97		0 986 357 216	B 216		
Megane I									
1.4	1,4	51-52	E7J 624	01.96-02.99		0 986 357 250	B W250		
		51-55	E7J 626	02.99-09.03		0 986 357 256	B W256		
		55	E7J 764	01.96-09.03		0 986 357 250	B W250		
1.6	1,6	55	K7M 720	01.96-02.97		0 986 357 252	B W 252		
				03.97-06.98		0 986 357 184	B 184		
				07.98-09.03		0 986 357 256	B W256		
		66	K7M 702; K7M 703	01.96-02.97		0 986 357 252	B W 252		
				03.97-06.98		0 986 357 184	B 184		
					WW	0 986 357 255	B W255		
				07.98-09.03		0 986 357 256	B W256		
						0 986 357 252	B W 252		
				66/79	K7M 704	10.99-09.03		0 986 357 256	B W256
		2.0	2,0	83-84	F3R 750	01.96-03.97	ZMS	0 986 357 210	B 210
						04.97-02.99	ZMM	0 986 356 967	B 967
					F3R 751	01.96-03.97	ZMS	0 986 357 210	B 210
83/84	F3R 791			09.96-09.03	ZMM	0 986 356 967	B 967		
	F3R 796; F3R 797; F3R 798			09.96-03.97	ZMS	0 986 357 210	B 210		
				04.97-09.03	ZMM	0 986 356 967	B 967		
84	F3R 751			09.96-03.97	ZMS	0 986 357 210	B 210		
				04.97-02.99	ZMM	0 986 356 967	B 967		
	F3R 752			09.96-03.97	ZMS	0 986 357 210	B 210		
R 5									
1.0	1,0	30	C1C 700	10.84-12.96	ZMB	0 986 357 117	B 117		
1.1	1,1	33	C1E 750	10.84-12.96	ZMB	0 986 357 117	B 117		
			C1E 760	08.90-12.96					
					ZMB	0 986 357 117	B 117		
1.2	1,2	40	C1G 702,730; C1G 720; C1G 722	10.84-12.96	ZMB	0 986 357 117	B 117		
1.4	1,4	43	C1J 768,715	10.84-12.96	ZMS	0 986 356 798	B 798		
		44	C2J 784	06.87-12.96					
					ZMS	0 986 356 798	B 798		
		44/49	C2J 788; C3J 760 Kat.	10.84-12.96	ZMS	0 986 356 798	B 798		
		49/50	C2J 700; C2J 718,781; C2J 766; C2J 767,789; C2J 782	10.84-12.96	ZMS	0 986 356 798	B 798		
		77/88	C1J 784; C1J 788	10.84-12.96	ZMB	0 986 357 117	B 117		
1.7	1,7	55/66/69	F2N 710,740; F2N 742; F3N 702,722 Kat.; F3N 716,718 Kat.; F3N 717 Kat.	10.86-12.96		0 986 356 822	B 822		
R 9									
1.4	1,4	44/49-53	C1J 798; C2J 717; C2J 796; C2J 797; C2L 720	01.85-12.95	ZMB	0 986 357 117	B 117		
R 11									
1.4	1,4	49-53	C2J 717; C2L 720	01.85-03.95	ZMB	0 986 357 117	B 117		
R 19									
1.2	1,2	40	C1G 730	09.88-12.01	ZMB	0 986 357 117	B 117		





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Laguna I

0 986 356 056 0 986 356 055 0 986 356 055 0 986 356 055

Logan

Master I

0 986 356 044

0 986 356 044

Megane I

0 986 356 062

0 986 356 062

R 5

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019

0 986 356 046

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019

0 986 356 046

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019

0 986 356 046

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019

0 986 356 035

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019

0 986 356 035

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019

0 986 356 035

0 986 356 019 0 986 356 019 0 986 356 019 0 986 356 019

0 986 356 035

0 986 356 061 0 986 356 062 0 986 356 062 0 986 356 063

0 986 356 149

R 9

R 11

R 19



◀ RENAULT

1.2	1,2	46	E7F 730 Kat.	05.92-12.01	WW,ZVS	0 986 357 250	B W250
					ZVS	0 986 356 888	B 888
1.4	1,4	40-44	C1J 742; C2J 772; C3J 710 Kat.	09.88-12.01	ZMB	0 986 357 117	B 117
		55-59	E7J 700 Kat.; E7J 706 Kat.; E7J 742 Kat.; E7J 745 Kat.	05.90-12.01		0 986 357 250	B W250
		58-59	E6J 700; E6J 701; E6J 706	09.88-12.01	WW,ZVS	0 986 357 250	B W250
					ZVS	0 986 356 888	B 888
1.7	1,7	54/55-56/68	F2N 720; F2N 721; F2N 724; F2N 726; F2N 727; F3N 740 Kat.; F3N 741 Kat.	09.88-12.95		0 986 357 254	B W254
		66-70	F3N 742 Kat.; F3N 743 Kat.	09.88-12.95		0 986 356 822	B 822
						0 986 357 254	B W254
			F3N 746	06.89-12.95		0 986 357 254	B W254
1.8	1,8	65-66/79-83	F3P 682 Kat.; F3P 700 Kat.; F3P 704 Kat.; F3P 705 Kat.; F3P 706 Kat.; F3P 707 Kat.; F3P 708 Kat.; F3P 760 Kat.; F3P 764 Kat.; F3P 765 Kat.	05.92-12.95		0 986 356 883	B 883
		99-101	F7P 704 Kat.	06.89-12.95		0 986 357 243	B W243
R 21 (B48,K48,L48)							
1.7	1,7	53-56/68-70	F2N 710; F2N 712	06.86-12.95		0 986 357 254	B W254
					WW	0 986 356 743	B 743
		54-60	F2N 758,720	06.90-12.95		0 986 356 780	B 780
			F2N 786	06.90-12.95		0 986 357 254	B W254
					WW	0 986 356 743	B 743
		54/64	F2N 750,712; F2N 752,742	03.86-12.94		0 986 356 780	B 780
		54/66-70	F3N 722,723 Kat.; F3N 726,718,740 Kat.; F3N 726,740,718 Kat.	01.91-12.95		0 986 356 780	B 780
		65	F2N 754,711,720	02.88-12.95		0 986 357 254	B W254
					WW	0 986 356 743	B 743
			F2N 758,720	06.90-12.94		0 986 357 254	B W254
					WW	0 986 356 743	B 743
			F2N 786	06.90-12.94		0 986 356 780	B 780
2.0	2,0	76	J6R 792,793	10.86-12.95		0 986 356 704	B 704
		85-88	J7R 746,747 Kat.; J7R 750,751	10.86-12.95		0 986 356 704	B 704
		99-100	J7R 740 Kat.	05.89-12.95		0 986 356 743	B 743
2.2	2,2	79-81/85	J6T 790,791; J7T 754,755 Kat.; J7T 756 Kat.	10.86-12.95		0 986 356 704	B 704
Safrane							
2.0	2,0	77/97-99	J7R 732,733; J7R 734,735; J7R 738,739	04.92-09.96		0 986 356 740	B 740
		100	N7Q 710; N7Q 711	10.96-12.00		0 986 356 817	B 817
					WW	0 986 357 238	B W238
2.2	2,2	79-81/101-104	J7T 760,761; J7T 762,763; J7T 766,767	04.92-09.96		0 986 356 740	B 740
2.5	2,5	121	N7U 700; N7U 701	10.96-12.00		0 986 357 232	B W232
3.0	3,0	123-125/190-197	Z7X 721; Z7X 722,723; Z7X 726; Z7X 753; Z7X 755	04.92-12.00		0 986 357 170	B 170
Sandero							
1.0	1,0	57-59	D4D	07.14→		F 000 99C 602	
1.4	1,4	55	K7J 71...	12.09→		0 986 357 256	B W256
1.6	1,6	62/64	K7M 7...; K7M 8...	12.09→		0 986 357 256	B W256
Scenic I / Megane Scenic (JA)							
1.4	1,4	55	E7J 764	11.96-04.03		0 986 357 250	B W250
1.6	1,6	55	K7M 720	11.96-02.97		0 986 357 252	B W 252
				03.97-06.98		0 986 357 184	B 184
				07.98-04.03		0 986 357 256	B W256
		66	K7M 702; K7M 703	01.96-02.97		0 986 357 252	B W 252
				03.97-06.98		0 986 357 184	B 184
					WW	0 986 357 255	B W255
				07.98-04.03		0 986 357 256	B W256
2.0	2,0	83-84	F3R 750; F3R 751	11.96-03.97	ZMS	0 986 357 210	B 210
		84	F3R 791	11.96-04.03	ZMM	0 986 356 967	B 967
			F3R 796; F3R 797; F3R 798	11.96-03.97	ZMS	0 986 357 210	B 210
				04.97-04.03	ZMM	0 986 356 967	B 967
Thalia							
1.2	1,2	43	D7F 726	06.01-10.07			
1.4	1,4	55	K7J 700	10.99-03.05		0 986 357 256	B W256
1.6	1,6	66	K4M 746	10.99-10.07		0 986 357 256	B W256





							
l/ccm		kW		Typ		SET	

◀RENAULT

Trafic							
1.4	1,4	36	847 700 <C1J 700>	09.80-10.97	ZMB	0 986 357 117	B 117
1.7	1,7	50/58	F1N 722,720; F1N 724; F1N 724,720	10.84-10.97	WW	0 986 357 254	B W254
						0 986 356 743	B 743
2.0	2,0	59	J5R 716; J5R 726	09.80-10.97		0 986 357 216	B 216
Twingo I							
1.0	1,0	43	D7D 740	01.00-05.07			
1.2	1,2	40	C3G 700; C3G 702	03.93-08.97	ZMS	0 986 356 798	B 798
		40-44	D7F 700; D7F 701; D7F 702	09.96-05.07		0 986 357 253	B W253
		43	D7F 703; D7F 703 EOBD; D7F 704	01.96-05.07			
			D7F 706	09.98-05.07		0 986 357 253	B W253
			D7F 708	02.01-05.07			
Twingo II							
1.2	1,2	43	D7F 800	04.07→		0 986 357 253	B W253

ROVER

Mini							
1.3	1,3	39-46	<MPi> Fg.-Nr. 134455→	10.96-09.00	PSM	0 986 357 209	B 209
					PSM	0 986 356 844	B 844
			<SPi>	02.91-09.00		0 986 356 844	B 844
Mini Cooper							
1.3	1,3	39-46/59	; <MPi>; 12 HL <MPi> Fg.-Nr. 134455→	09.94-09.00	PSM	0 986 357 209	B 209
					PSM	0 986 356 844	B 844
Mini De Ville							
1.3	1,3	59	Fg.-Nr. 134455→	09.94-09.96	PSM	0 986 357 209	B 209
					PSM	0 986 356 844	B 844
Mini Margrave							
1.4	1,4	77		09.95-09.00		0 986 356 844	B 844
Mini Retro Rally							
1.3	1,3	60	Fg.-Nr. 134455→	09.94-09.96	PSM	0 986 357 209	B 209
					PSM	0 986 356 844	B 844
Serie 200							
211	1,1	44-45	11K2D <K-Serie> Fg.-Nr. →YD 471564	11.95-03.00		0 986 357 153	B 153
214	1,4	55	14K2A <K8-SOHC>	01.93-02.96		0 986 357 152	B 152
			14K2F <K-Serie>	10.95-03.00		0 986 357 153	B 153
		76	14 K4F <K-Serie>	10.92-03.96		0 986 356 748	B 748
			Fg.-Nr. YD 471565→	10.95-03.00		0 986 357 154	B 154
			Fg.-Nr. →YD 471564	10.95-03.00		0 986 357 153	B 153
216	1,6	82	16K4F <K-Serie>	03.96-03.00		0 986 356 731	B 731
			Fg.-Nr. YD 471565→	10.95-03.00		0 986 357 154	B 154
			Fg.-Nr. →YD 471564	10.95-03.00		0 986 357 153	B 153
		82-85	D16... <D 16 Honda, PGM 16V>	10.89-02.96		0 986 356 721	B 721
		90	D16A8	01.92-02.96		0 986 356 867	B 867
			D16Z2 <D 16 Honda, PGM 16V>	10.89-02.96		0 986 356 721	B 721
		90-96	D16...	09.90-02.96		0 986 356 867	B 867
218	1,8		18 K4F <K-Serie>	09.95-03.00		0 986 356 731	B 731
		107	<K-Serie-VVC>	03.96-03.00		0 986 357 160	B 160
			18K4K -VVC- <K-Serie>				
			Fg.-Nr. YD 471565→	09.95-03.00		0 986 357 154	B 154
			Fg.-Nr. →YD 471564	09.95-03.00		0 986 357 160	B 160
220	2,0	100/103	T16	09.91-06.96		0 986 356 807	B 807
				10.92-02.96	WW	0 986 357 236	B 236
		147	20 T4G	01.93-02.96		0 986 357 217	B 217
Serie 400							
414	1,4	66-70	14K4C	04.90-04.95		0 986 356 748	B 748



1	2	3	4	5	6	7	8	
								Traffic
0 986 356 019	0 986 356 019	0 986 356 019	0 986 356 019					0 986 356 046
0 986 356 061	0 986 356 062	0 986 356 063	0 986 356 064					0 986 356 044
								Twingo I
0 986 356 273	0 986 356 272	0 986 356 271	0 986 356 270					
0 986 356 019	0 986 356 019	0 986 356 019	0 986 356 019					0 986 356 035
0 986 356 273	0 986 356 272	0 986 356 271	0 986 356 270					
0 986 356 273	0 986 356 272	0 986 356 271	0 986 356 270					
0 986 356 273	0 986 356 272	0 986 356 271	0 986 356 270					
0 986 356 273	0 986 356 272	0 986 356 271	0 986 356 270					
								Twingo II
								ROVER
								Mini
0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 032					0 986 356 040
0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 032					0 986 356 040
								Mini Cooper
0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 032					0 986 356 040
								Mini De Ville
0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 032					0 986 356 040
								Mini Margrave
0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 032					0 986 356 040
								Mini Retro Rally
0 986 356 032	0 986 356 032	0 986 356 032	0 986 356 032					0 986 356 040
								Serie 200
0 986 356 006	0 986 356 006							0 986 356 049
0 986 356 139	0 986 356 109	0 986 356 108	0 986 356 108					
0 986 356 174	0 986 356 173	0 986 356 172	0 986 356 171					
0 986 356 174	0 986 356 173	0 986 356 172	0 986 356 171					
0 986 356 174	0 986 356 173	0 986 356 172	0 986 356 171					
0 986 356 174	0 986 356 173	0 986 356 172	0 986 356 171					
0 986 356 002	0 986 356 004	0 986 356 004	0 986 356 006					0 986 356 042
								Serie 400
0 986 356 139	0 986 356 109	0 986 356 108	0 986 356 108					



◀ ROVER

414	1,4	76	K14K4F	01.93-02.96		0 986 356 748	B 748
			14 K4F <K-Serie>	05.95-03.00		0 986 356 731	B 731
416	1,6	82	K16 <K-Serie>	05.95-03.00		0 986 356 731	B 731
		82/83	D16B2/D16Y3; <D16Y3-SOHC>	05.95-03.00		0 986 356 731	B 731
		82-85	D16... <D 16 Honda, PGM 16V>	04.90-02.96		0 986 356 721	B 721
			D16Z2 <D 16 Honda, PGM 16V>	04.90-02.96		0 986 356 721	B 721
		90-96	16V ZC	04.90-02.96		0 986 356 867	B 867
418	1,8	107	<DOHC-VVC>	03.96-12.98		0 986 357 160	B 160
420	2,0	100	20T 4H <T-Serie>	10.95-03.00		0 986 357 213	B 213
		100-103	T16 <DOHC-16V>				
			Fg.-Nr. 605482→	02.92-02.96		0 986 356 807	B 807
					WW	0 986 357 236	B 236
		147	20 T4G	01.93-02.96		0 986 357 217	B 217
Serie 600							
618	1,8	85	F18 A3 <SOHC>	03.96-06.99		0 986 356 776	B 776
620	2,0	85/96/100	F-20-Z1; F-20-Z2 H; <T-Serie>	04.93-09.00		0 986 356 776	B 776
		147	T16-Turbo				
			Fg.-Nr. BM 246797→	04.93-12.98		0 986 357 213	B 213
			Fg.-Nr. →AM 246796	04.93-12.98		0 986 356 763	B 763
623	2,3	116	H23A2	04.93-06.99		0 986 356 776	B 776
Serie 800							
820	2,0	100		01.96-09.99	TW	0 986 356 806	B 806
		100-103	20T 4H	01.92-01.96	TW	0 986 356 806	B 806
		132-147	20 T4G	01.92-12.95		0 986 357 212	B 212
825	2,5	129	25 K4F <KV6>	01.96-12.98		0 986 357 155	B 155
25							
1.4	1,4	62	14 K4M <K-Serie K 1.4>				
			Fg.-Nr. YD 471565→	02.00-05.05		0 986 357 154	B 154
			Fg.-Nr. →YD 471564	02.00-05.05		0 986 356 731	B 731
		76	14 K4F <K-Serie>				
			Fg.-Nr. YD 471565→	02.00-05.05		0 986 357 154	B 154
			Fg.-Nr. →YD 471564	02.00-05.05		0 986 356 731	B 731
1.6	1,6	80	16 K4F <K-Serie K 1.6>				
			Fg.-Nr. YD 471565→	02.00-05.05		0 986 357 154	B 154
			Fg.-Nr. →YD 471564	02.00-05.05		0 986 356 731	B 731
1.8	1,8	86	18 K4F <K-Serie>	02.00-10.04		0 986 357 154	B 154
		107	18K4K -VVC- <K-Serie>				
			Fg.-Nr. YD 471565→	02.00-10.04		0 986 357 154	B 154
			Fg.-Nr. →YD 471564	02.00-10.04		0 986 357 160	B 160
45							
1.4	1,4	76	14 K4F <K-Serie>				
			Fg.-Nr. YD 471064→	02.00-05.05		0 986 357 154	B 154
1.6	1,6	80	16 K4F <K-Serie K 1.6>				
			Fg.-Nr. YD 471064→	02.00-05.05		0 986 357 154	B 154
1.8	1,8	86	18 K4F <K-Serie>				
			Fg.-Nr. YD 471064→	02.00-05.05		0 986 357 154	B 154
75							
1.8	1,8	88/110	K 1.8T; K 1.8/18K4F	01.99-05.05		0 986 357 154	B 154
100 Metro							
1.1	1,1	44	11K2D <K-Serie>	05.90-02.95		0 986 356 772	B 772
				09.90-12.98		0 986 356 772	B 772
1.4	1,4	55	<K-Serie>	09.90-03.98		0 986 356 772	B 772
		76	14 K4F <K-Serie>	09.90-10.95		0 986 356 748	B 748

SAAB (SAAB AUTOMOBILE AB)

9-3

2.0	2,0	96/110/113/ 136/147/151	B 204 E <Turbo- Katalysator>; B204I; B204L; B204R; B205E; B205E <(Ecopower)>; B205L; B205R <Turbo>	03.98-08.00		0 986 357 161	B 161
2.3	2,3	110/125/165/ 169	B234I; B235R	03.98-08.00		0 986 357 161	B 161



S

							
l/100km		kW		Typ		SET	

◀ SAAB

900								
2.0	2,0	96/98/136	B 204 I Kat.; B 204 L Kat.; B 206 I Kat.			09.93-08.98	0 986 357 161	B 161
2.3	2,3	110	B 234 I Kat.			09.93-08.98	0 986 357 161	B 161
2.5	2,5	125	B 258 I; B 258 I <KAT>; B 258 I Kat.			09.93-10.98	0 986 357 162	B 162
9000								
2.3	2,3	108/147/165	B 234 I <Kat>; B 234 L <Kat>; B 234 R <Turbo- Katalysator>			09.92-12.98	0 986 357 161	B 161
3.0	3,0	155	B 308 I <Kat>			09.94-12.98	0 986 357 162	B 162

SANTANA

Land Rover							
88	2,3	51	4GT		01.84-12.94	0 986 356 759	B 759
109	2,3	51	4GT		01.84-12.94	0 986 356 759	B 759

SEAT

Alhambra							
2.0	2,0	85	ADY		03.96-02.00	0 986 356 350	B 350
			ATM		06.00-03.10	0 986 356 331	B 331
Altea							
1.6	1,6	72-75	BGU; BSE <MW6>; BSF <MW6>; CCSA <MW6>; CHGA <DF2>		03.04→	0 986 356 346	B 346
Altea XL							
1.6	1,6	72-75	BSE <MW6>; BSF <MW6>; CCSA <MW6>; CHGA <DF2>		10.06→	0 986 356 346	B 346
Arosa							
1.0	1,0	37	AER		02.97-09.99	0 986 356 343	B 343
			ALD		01.99-07.00	0 986 356 341	B 341
			ALL		10.97-05.99	0 986 356 343	B 343
			ANV		01.99-07.00	0 986 356 341	B 341
			AUC		05.00-06.04	0 986 356 312	B 312
1.4	1,4	44	AEX		02.97-11.97	0 986 356 343	B 343
			AKV		05.97-09.99	0 986 356 343	B 343
			ANW		01.99-10.00	0 986 356 341	B 341
			APQ		12.97-08.98	0 986 356 343	B 343
			AUD		01.99-06.04	0 986 356 312	B 312
		74	AFK		01.99-09.00	0 986 356 308	B 308
			AQQ; AUB		05.99-06.04	0 986 356 308	B 308
Cordoba							
1.0	1,0	37	AER		09.96-06.99	0 986 356 343	B 343
			ALD; ANV; AUC		05.99-12.02	0 986 356 312	B 312
1.4	1,4	44	ABD		09.93-12.95	0 986 356 358	B 358
			AEX		01.96-12.97	0 986 356 343	B 343
			AKK		05.99-12.02	0 986 356 312	B 312
			AKV		09.97-12.02	0 986 356 343	B 343
			Fg.-Nr. →6K..X..039 518		09.97-05.98		
			ANW		05.99-08.00	0 986 356 312	B 312
			ANX		01.98-05.98	0 986 356 343	B 343
			APQ		12.97-12.02	0 986 356 343	B 343
			Fg.-Nr. →6K..X..039 518		12.97-05.98		
			AUD		06.00-12.02	0 986 356 312	B 312
		55	APE		05.99-06.00	0 986 356 308	B 308
		55/74	AQQ; AUA; AUB		09.99-08.03	0 986 356 308	B 308
		74	AFH		07.96-12.02	0 986 356 309	B 309
1.6	1,6	55	ABU		09.93-07.94	0 986 356 358	B 358
			AEE		03.97-12.98	0 986 356 343	B 343
			Fg.-Nr. →6K..X..039 518		03.97-05.98		
			ALM		09.97-12.02	0 986 356 343	B 343
		Fg.-Nr. →6K..X..039 518		09.97-05.98			
		1F		05.94-06.99	0 986 356 338	B 338	
		74	AEH		05.99-12.02	0 986 356 359	B 359
	AFT		12.95-11.02				





1

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900

9000

SANTANA**Land Rover**

0 986 356 017 0 986 356 017 0 986 356 017 0 986 356 017

0 986 356 040

0 986 356 017 0 986 356 017 0 986 356 017 0 986 356 017

0 986 356 040

SEAT**Alhambra**

0 986 357 733 0 986 357 732 0 986 357 731 0 986 357 729

Altea

0 986 357 732 0 986 357 732 0 986 357 730 0 986 357 729

Altea XL

0 986 357 732 0 986 357 732 0 986 357 730 0 986 357 729

Arosa

0 356 912 887 0 356 912 888 0 356 912 987 0 356 912 944

0 356 912 993

0 986 357 736 0 986 357 734 0 986 357 732 0 986 357 732

0 356 912 887 0 356 912 888 0 356 912 987 0 356 912 944

0 356 912 993

0 986 357 736 0 986 357 734 0 986 357 732 0 986 357 732

0 986 357 736 0 986 357 734 0 986 357 732 0 986 357 732

0 356 912 887 0 356 912 888 0 356 912 987 0 356 912 944

0 356 912 993

0 356 912 887 0 356 912 888 0 356 912 987 0 356 912 944

0 356 912 993

0 986 357 736 0 986 357 734 0 986 357 732 0 986 357 732

0 356 912 887 0 356 912 888 0 356 912 987 0 356 912 944

0 356 912 993

0 986 357 736 0 986 357 734 0 986 357 732 0 986 357 732

0 986 357 726 0 986 357 726 0 986 357 725 0 986 357 724

0 986 357 726 0 986 357 726 0 986 357 725 0 986 357 724

Cordoba

0 356 912 887 0 356 912 888 0 356 912 987 0 356 912 944

0 356 912 993

0 986 357 736 0 986 357 734 0 986 357 732 0 986 357 732

0 356 912 987 0 356 912 987 0 356 912 886 0 356 912 886

0 356 904 062

0 356 912 887 0 356 912 888 0 356 912 987 0 356 912 944

0 356 912 993

0 986 357 736 0 986 357 734 0 986 357 732 0 986 357 732

0 356 912 887 0 356 912 888 0 356 912 987 0 356 912 944

0 356 912 993

0 986 357 736 0 986 357 734 0 986 357 732 0 986 357 732

0 356 912 993

0 986 357 736 0 986 357 734 0 986 357 732 0 986 357 732

0 356 912 887 0 356 912 888 0 356 912 987 0 356 912 944

0 356 912 993

0 356 912 887 0 356 912 888 0 356 912 987 0 356 912 944

0 356 912 993

0 986 357 736 0 986 357 734 0 986 357 732 0 986 357 732

0 986 357 726 0 986 357 726 0 986 357 725 0 986 357 724

0 986 357 726 0 986 357 726 0 986 357 725 0 986 357 724

0 356 912 987 0 356 912 987 0 356 912 886 0 356 912 886

0 356 904 062

0 356 912 887 0 356 912 888 0 356 912 987 0 356 912 944

0 356 912 993

0 356 912 887 0 356 912 888 0 356 912 987 0 356 912 944

0 356 912 993

0 356 912 887 0 356 912 888 0 356 912 987 0 356 912 944

0 356 912 993

0 356 912 887 0 356 912 888 0 356 912 987 0 356 912 944

0 356 912 993

0 356 912 943 0 356 912 885 0 356 912 884 0 356 912 883

0 356 904 068

0 986 357 741 0 986 357 741 0 986 357 740 0 986 357 739

0 356 904 068

0 356 904 068



							
l/100km		kW		Typ		SET	

◀ SEAT

1.6	1,6	74	AKL	05.99-12.02	0 986 356 359	B 359
			APF	09.99-10.00	0 986 356 359	B 359
			AUR			
			Fg.-Nr. →6K..2..137 000	05.00-10.01	0 986 356 359	B 359
			Fg.-Nr. 6K..2..137 001→	11.01-12.02		
		76	AKL	10.99-10.04		
1.8	1,8	66	ABS	09.93-07.94	0 986 356 342	B 342
			ADZ	07.94-12.02	0 986 356 339	B 339
		95	ADL	09.93-06.96		
2.0	2,0	85	AGG	04.96-12.02	0 986 356 342	B 342
			AZL; BBX	09.02-11.09	0 986 356 331	B 331
			2E	09.93-04.96	0 986 356 342	B 342
		110	ABF	06.96-12.02		
Exeo						
1.6	1,6	75	ALZ <MW6>	03.09-09.10		
1.8	1,8	110	CFMA <MW8>	12.08-05.10		
Ibiza [6K1]						
1.0	1,0	33	AAU	03.93-06.96	0 986 356 338	B 338
		37	AER	09.96-10.99	0 986 356 343	B 343
			ALD; ANV	05.99-05.02	0 986 356 312	B 312
			AUC	07.00-05.02	0 986 356 312	B 312
		52	AST	10.99-10.04		
1.3	1,3	40	AAV; 2G	03.93-07.94	0 986 356 369	B 369
1.4	1,4	40	ANX	01.98-05.98	0 986 356 343	B 343
		44	ABD	09.93-12.95	0 986 356 358	B 358
			AEX	12.95-12.97	0 986 356 343	B 343
			AKK	05.99-05.02	0 986 356 312	B 312
			AKV	12.97-10.99	0 986 356 343	B 343
			Fg.-Nr. →6K..X..039 518	12.97-05.98		
			ANW	05.99-08.00	0 986 356 312	B 312
			APQ	12.97-10.99	0 986 356 343	B 343
			Fg.-Nr. →6K..X..039 518	12.97-05.98		
		AUD	06.00-05.02	0 986 356 312	B 312	
		55	APE	05.99-06.00	0 986 356 308	B 308
		55/74	AQQ; AUA; AUB	09.99-06.03	0 986 356 308	B 308
		74	AFH	05.97-06.99	0 986 356 309	B 309
		1.6	1,6	55	ABU	03.93-07.94
	AEE			03.97-12.98	0 986 356 343	B 343
	Fg.-Nr. →6K..X..039 518			03.97-05.98		
	ALM			09.97-05.02	0 986 356 343	B 343
	Fg.-Nr. →6K..X..039 518			09.97-05.98		
1F	05.94-08.99			0 986 356 343	B 343	
74	AEH			05.99-05.02	0 986 356 359	B 359
	AFT			12.95-10.99		
	AKL			05.99-05.02	0 986 356 359	B 359
	APF			09.99-10.00	0 986 356 359	B 359
	AUR					
	Fg.-Nr. →6K..2..137 000			07.00-10.01	0 986 356 359	B 359
	Fg.-Nr. 6K..2..137 001→			11.01-05.02		
1.8	1,8			66	ABS	03.93-07.94
			ADZ	07.94-10.99	0 986 356 342	B 342
		95	ADL	09.93-06.96		
2.0	2,0	85	AGG; 2E	03.93-10.99	0 986 356 342	B 342
		110	ABF	06.96-10.99		
Ibiza [6L1]						
1.4	1,4	74	AUB	09.01-05.02	0 986 356 308	B 308
2.0	2,0	85	AZL; BBX	07.02-11.09	0 986 356 331	B 331
Inca						
1.4	1,4	44	AEX; AKV; APQ	11.95-06.03	0 986 356 360	B 360
			AUD	09.00-06.03	0 986 356 312	B 312





1	2	3	4	5	6	7	8
0 986 357 741	0 986 357 741	0 986 357 740	0 986 357 739				
0 986 357 741	0 986 357 741	0 986 357 740	0 986 357 739				
0 986 357 741	0 986 357 741	0 986 357 740	0 986 357 739				
0 986 357 734	0 986 357 732	0 986 357 731	0 986 357 729				
0 986 357 741	0 986 357 741	0 986 357 740	0 986 357 739				
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944				0 356 904 062
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 885				
							0 356 904 068
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944				0 356 904 062
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729				
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944				0 356 904 062
							0 356 904 068
Exeo							
0 986 357 741	0 986 357 741	0 986 357 740	0 986 357 739				
0 986 357 741	0 986 357 741	0 986 357 740	0 986 357 739				
Ibiza [6K1]							
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883				0 356 904 068
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 912 993
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732				
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732				
							0 356 904 070
0 356 912 987	0 356 912 888	0 356 912 888	0 356 912 887				
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 912 993
0 356 912 987	0 356 912 987	0 356 912 886	0 356 912 886				0 356 904 062
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 912 993
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732				
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 912 993
							0 356 912 993
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732				
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 912 993
							0 356 912 993
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732				
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724				
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724				
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883				0 356 904 068
							0 356 912 993
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 912 993
							0 356 912 993
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 912 993
							0 356 912 993
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 912 993
0 986 357 741	0 986 357 741	0 986 357 740	0 986 357 739				
							0 356 904 068
0 986 357 741	0 986 357 741	0 986 357 740	0 986 357 739				
0 986 357 741	0 986 357 741	0 986 357 740	0 986 357 739				
0 986 357 741	0 986 357 741	0 986 357 740	0 986 357 739				
0 986 357 734	0 986 357 732	0 986 357 731	0 986 357 729				
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944				0 356 904 062
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944				0 356 904 062
							0 356 904 068
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944				0 356 904 062
							0 356 904 068
Ibiza [6L1]							
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724				
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729				
Inca							
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 904 062
							0 356 912 993
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732				



							
l/ccm		kW		Typ		SET	

◀ SEAT

1.6	1,6	55	AEE	06.97-09.00	0 986 356 360	B 360
			1F	11.95-05.97	0 986 356 338	B 338
Leon [1M1]						
1.4	1,4	55	AHW; APE; AXP	12.99-05.02	0 986 356 308	B 308
1.6	1,6	74	AEH; AKL	10.98-07.04	0 986 356 359	B 359
		75	BFQ	10.05-06.06		
		77	AUS; AZD	06.00-04.02	0 986 356 308	B 308
1.8	1,8	92	AGN; APG	10.98-07.04	0 986 356 337	B 337
Leon [1P1]						
1.6	1,6	75	BSE <MW6>; BSF <MW6>; CCSA <MW6>; CHGA <DF2>; CMXA <MW6>	07.05-12.12	0 986 356 346	B 346
Marbella						
0.9	0,9	29-30	09 NCA	01.87-02.97	0 986 356 785	B 785
		30	903 C.E.	01.95-05.98	0 986 357 193	B 193
Terra						
0.9	0,9	29	09 NCA	01.87-12.94	0 986 356 727	B 727
Toledo						
1.6	1,6	75	BSF <MW6>	05.05-05.09		
Toledo [1L2]						
1.6	1,6	55	ABN	01.92-07.94	0 986 356 338	B 338
			1F	05.91-03.99	0 986 356 338	B 338
		74	AFT	11.96-03.99		
1.8	1,8	66	ABS; ADZ	11.93-03.99	0 986 356 342	B 342
		95	PL	05.91-03.94		
2.0	2,0	85	AGG; 2E	05.91-03.99	0 986 356 342	B 342
		110	ABF	03.94-03.99		
Toledo [1M2]						
1.4	1,4	55	AHW; AXP	07.99-05.02	0 986 356 308	B 308
1.6	1,6	74	AEH; AKL	04.99-05.02	0 986 356 359	B 359
		77	AUS; AZD	06.00-04.02	0 986 356 308	B 308
1.8	1,8	92	AGN; APG	04.99-12.03	0 986 356 337	B 337
2.3	2,3	110	AGZ	04.99-11.00	0 986 356 349	B 349
Toledo [5P2]						
1.6	1,6	75	BGU; BSE <MW6>	09.04-05.09		

SKODA

Fabia						
1.4	1,4	55/74	AUA; AUB; BBY; BBZ; BKY	09.99-12.07	0 986 356 308	B 308
2.0	2,0	85	AZL	07.00-12.07	0 986 356 331	B 331
Favorit						
135	1,3	40/43	<OHV>; 781.135E <OHV Kat.>	09.88-09.94	0 986 356 719	B 719
136	1,3	40/50	A01 <OHV Kat.>; A02	07.93-12.98		
		46	<OHV>	09.88-09.94	0 986 356 719	B 719
Felicia						
1.3	1,3	40/42/43/50	135..; 135B; 136B <OHC Kat.>	10.94-07.96	0 986 357 068	B 068
1.6	1,6	55	AEE	05.95-08.01	0 986 356 360	B 360
Forman						
1.1	1,1	38	<OHC>	10.90-12.95	0 986 356 719	B 719
1.3	1,3	40/50	136B <OHC Kat.>; 781.135E <OHC Kat.>	07.93-12.95		
		45	<OHC>	10.90-12.95	0 986 356 719	B 719
Octavia						
1.4	1,4	55	AXP; BCA <MN7>	08.00-12.10	0 986 356 308	B 308
1.6	1,6	55	AEE	09.96-09.04	0 986 356 360	B 360
		74	AEH; AKL	11.96-05.07	0 986 356 359	B 359
		75	AVU; BFQ	08.00-12.10	0 986 356 346	B 346
			BGU <MW6>; BSE <MW6>; BSF <MW6>; CCSA <MW6>; CHGA <DF2>	05.04-06.13		
1.8	1,8	92	AGN			
			Fg.-Nr. →1U..V..026 000	09.96-06.97	0 986 356 305	B 305
			Fg.-Nr. 1U..V..026 001→	07.97-04.99	0 986 356 337	B 337
2.0	2,0	85	AEG; APK; AQY; AZH	06.99-05.07	0 986 356 331	B 331



1	2	3	4	5	6	7	8	
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 904 062
								0 356 912 993
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883					0 356 904 068
								Leon [1M1]
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 741	0 986 357 741	0 986 357 740	0 986 357 739					
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
	0 986 357 727	0 986 357 727	0 986 357 727					
								Leon [1P1]
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729					
								Marbella
0 986 356 019	0 986 356 019	0 986 356 021	0 986 356 023					0 986 356 044
								Terra
0 986 356 130	0 986 356 131	0 986 356 135	0 986 356 132					
								Toledo
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729					
								Toledo [1L2]
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883					0 356 904 068
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883					0 356 904 068
								0 356 912 993
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944					0 356 904 062
								0 356 912 993
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944					0 356 904 062
								0 356 904 068
								Toledo [1M2]
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 741	0 986 357 741	0 986 357 740	0 986 357 739					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
	0 986 357 727	0 986 357 727	0 986 357 727					
0 986 357 735	0 986 357 735	0 986 357 734	0 986 357 734	0 986 357 732				
								Toledo [5P2]
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729					
								SKODA
								Fabia
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
								Favorit
0 986 356 000	0 986 356 002	0 986 356 002	0 986 356 004					0 986 356 040
0 986 356 002	0 986 356 002	0 986 356 002	0 986 356 004					
0 986 356 000	0 986 356 002	0 986 356 002	0 986 356 004					0 986 356 040
								Felicia
0 986 356 128	0 986 356 129	0 986 356 129	0 986 356 130					0 986 356 089
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 904 068
								Forman
0 986 356 002	0 986 356 002	0 986 356 002	0 986 356 004					0 986 356 040
0 986 356 002	0 986 356 002	0 986 356 002	0 986 356 004					
0 986 356 002	0 986 356 002	0 986 356 002	0 986 356 004					0 986 356 040
								Octavia
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 904 062
0 986 357 741	0 986 357 741	0 986 357 740	0 986 357 739					
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729					
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729					
	0 986 357 727	0 986 357 727	0 986 357 727					
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					



							
l/ccm		kW		Typ		SET	

◀ SKODA

Pick-Up						
135	1,3	40		09.91-12.97	0 986 356 719	B 719
			136B <OHC Kat.>	07.93-12.97		
		42		09.91-12.97	0 986 356 719	B 719
Superb						
2.0	2,0	85	AZM	12.01-03.08		
2.8	2,8	140/142	AMX; BBG	12.01-03.08	0 986 356 321	B 321

SMART (MCC)

Fortwo						
0.7	0,7	37/45/55	160.910	02.04-03.07	KZL,RBE	
					LZL,RBE	
Smart						
0.6	0,6	33/40/45/52	160.920	07.98-01.04	KZL,RBE	
					LZL,RBE	
0.7	0,7	37/45/55	160.910	11.02-01.04	KZL,RBE	
					LZL,RBE	

SUBARU

Forester								
2.0	2,0	90/92	EJ20J; EJ202	01.97-05.02	0 986 357 262	B 262		
		99-101	EJ20 (SOHC)	06.97-01.02	F 005 X13 853			
2.5	2,5	129	EJ253	06.05-11.07	F 005 X13 897			
Impreza								
1.6	1,6	66	EJ16E; EJ16J	01.93-09.00	0 986 356 716	B 716		
1.8	1,8	76	EJ18E	01.93-06.97	0 986 356 716	B 716		
2.0	2,0	85/155	EJ20E; EJ20G	12.93-09.00	0 986 356 716	B 716		
			92	EJ201	08.98-09.00	0 986 356 716	B 716	
					10.00-06.07	F 005 X13 898		
		118		EJ204	06.05-06.07	F 005 X13 896		
		160	EJ205	10.00-10.02	F 005 X13 898			
Justy								
1.0	1,0	37	EF10 <Kat.>	05.87-10.95	0 986 357 169	B 169		
1.2	1,2	49/55	EF12; EF12 <Kat.>	05.87-10.95	0 986 357 169	B 169		
Legacy								
1.8	1,8		EJ18E	06.97-11.98	0 986 357 262	B 262		
2.0	2,0	85	EJ20E	01.94-03.99	0 986 356 716	B 716		
2.2	2,2	94-96	EJ22E	01.94-03.99	0 986 356 716	B 716		
MV								
1.8	1,8	60	EA81	11.84-12.94				
Vivio								
660	0,7	32	EN07E	08.93-04.00	0 986 357 190	B 190		

SUZUKI

Alto							
1.0	1,0	39	G10B	10.94-02.02			
1.1	1,1	46	F10DN	02.02-12.06	0 986 357 263	B 263	
Baleno							
1.3	1,3	62-63	G13B				
			Fg.-Nr. 00160001→	04.95-09.07	0 986 357 263	B 263	
1.6	1,6	72-74	G16B	08.96-05.02	0 986 356 756	B 756	
			Fg.-Nr. 00160001→	04.95-04.05	0 986 357 263	B 263	
Carry							
1.3	1,3	58	G13B	03.99-03.09	0 986 357 263	B 263	



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Pick-Up

0 986 356 002 0 986 356 002 0 986 356 002 0 986 356 004

0 986 356 040

0 986 356 002 0 986 356 002 0 986 356 002 0 986 356 004

0 986 356 000 0 986 356 002 0 986 356 002 0 986 356 004

0 986 356 040

Superb

0 986 357 733 0 986 357 733 0 986 357 731 0 986 357 729

SMART (MCC)**Fortwo**

0 356 912 965 0 356 912 965 0 356 912 965

0 356 912 967 0 356 912 967 0 356 912 967

Smart

0 356 912 965 0 356 912 965 0 356 912 965

0 356 912 967 0 356 912 967 0 356 912 967

0 356 912 965 0 356 912 965 0 356 912 965

0 356 912 967 0 356 912 967 0 356 912 967

SUBARU**Forester****Impreza****Justy**

0 986 356 004 0 986 356 004 0 986 356 002

0 986 356 044

0 986 356 004 0 986 356 004 0 986 356 002

0 986 356 044

Legacy**MV**

0 986 356 002 0 986 356 006 0 986 356 002 0 986 356 006

0 986 356 042

Vivio

0 986 356 006 0 986 356 006 0 986 356 002 0 986 356 002

0 986 356 042

SUZUKI**Alto**

0 986 356 008 0 986 356 008 0 986 356 006 0 986 356 004

0 986 356 040

0 986 356 059 0 986 356 008 0 986 356 006 0 986 356 004

0 986 356 040

0 986 356 059

0 986 356 040

0 986 356 059 0 986 356 006 0 986 356 004

0 986 356 040

Baleno**Carry**

							
l/ccm		kW		Typ		SET	

◀SUZUKI

Grand Vitara							
1.6	1,6	69-71/78	G16B; M16A	03.98→		0 986 357 263	B 263
Ignis							
1.3	1,3	61	M13A	10.00-09.03		0 986 357 263	B 263
1.5	1,5	80	M15A	12.03-12.07		0 986 357 263	B 263
Jimny							
1.3	1,3	59/60-63	G13BB; M13A	10.98→		0 986 357 263	B 263
Liana							
1.3	1,3	66	M13A	03.01-12.04		0 986 357 263	B 263
1.6	1,6	76	M16A	03.01-04.08		0 986 357 263	B 263
1.8	1,8	92	M18A	04.05-12.07		0 986 357 263	B 263
Samurai							
1.0	1,0	33	F10A	07.84-12.94		0 986 356 732	B 732
1.3	1,3	40/47/51	G13B	11.88-12.04		0 986 356 762	B 762
		44	G13A	11.88-03.95		0 986 356 762	B 762
		47	G13A	08.88-12.04		0 986 356 762	B 762
		50	G13A	11.88-03.95		0 986 356 762	B 762
		Swift [EA/OA]					
1.0	1,0	39	G10	10.89-09.95			
			Fg.-Nr. →*00140000	10.89-09.95		0 986 356 710	B 710
			Fg.-Nr. *00140001→	10.89-09.95			
		40	G10				
			Fg.-Nr. →*00140000	10.89-04.95		0 986 356 710	B 710
Fg.-Nr. *00140001→	10.89-04.95						
1.3	1,3	49	G13B	09.91-12.95		0 986 356 841	B 841
		50	G13B	03.91-09.95		0 986 356 841	B 841
				09.91-12.95		0 986 356 841	B 841
			74	G13B	01.89-09.95		0 986 356 841
		1.6	1,6	68/70/71	G16A; G16B	03.89-12.95	
Swift [MA]							
1.0	1,0	39	G10A	03.96-12.04			
			Fg.-Nr. →00250000	03.96-12.04			
			Fg.-Nr. 00250001→	03.96-12.04			
1.3	1,3	50	G13BA	06.96-03.01		0 986 356 841	B 841
		63	G13BB	04.01-12.04		0 986 357 263	B 263
Swift [MZ/EZ]							
1.3	1,3	67	M13A	11.04→		0 986 357 263	B 263
SX4							
1.6	1,6	75-79/88	M16A	12.07→		0 986 357 263	B 263
Vitara							
1.6	1,6	55/59	G16A	09.88-03.98		0 986 356 855	B 855
		60	G16A	03.88-03.98		0 986 356 855	B 855
		70-74	G16B	07.90-03.98		0 986 356 810	B 810
Wagon R							
1.0	1,0	39	G10A	05.00-08.03			
		48-52	K10A	09.97-05.00		0 986 357 053	B 053
1.2	1,2	51	K12A	07.98-05.00		0 986 357 053	B 053
1.3	1,3	56	G13BB	05.00-08.03		0 986 357 263	B 263
X-90							
1.6	1,6	71	G16B	09.95→		0 986 356 810	B 810

TOYOTA

Avensis							
1.6	1,6	74/81	4AFE	10.97-07.00	RLE	0 986 357 198	B 198
1.8	1,8	81	7AFE	10.97-07.00		0 986 357 198	B 198
2.0	2,0	94	3SFE	10.97-01.03		0 986 AM0 063	
						0 986 356 923	B 923
Camry							
2.2	2,2	96/99-101	5SFE	07.96-09.01		0 986 AM0 063	
3.0	3,0	138	3VZFE	06.91-08.96		0 986 356 926	B 926



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Grand Vitara

Ignis

Jimny

Liana

Samurai

0 986 356 021 0 986 356 023 0 986 356 023 0 986 356 025

0 986 356 038

0 986 356 059 0 986 356 059

0 986 356 040

0 986 356 059 0 986 356 059

0 986 356 040

0 986 356 059 0 986 356 059

0 986 356 040

0 986 356 059 0 986 356 059

0 986 356 040

Swift [EA/OA]

0 986 356 010 0 986 356 010 0 986 356 008

0 986 356 023 0 986 356 021 0 986 356 021

0 986 356 040

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0 986 356 023 0 986 356 021 0 986 356 021

0 986 356 040

0 986 356 021

0 986 356 059 0 986 356 059 0 986 356 059

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0 986 356 059 0 986 356 059 0 986 356 059

0 986 356 044

0 986 356 059 0 986 356 059 0 986 356 059

0 986 356 044

Swift [MA]

0 986 356 008 0 986 356 008 0 986 356 006

0 986 356 021

0 986 356 044

0 986 356 021

0 986 356 040

0 986 356 059 0 986 356 059 0 986 356 059 0 986 356 059

0 986 356 044

Swift [MZ/EZ]

SX4

Vitara

0 986 356 059 0 986 356 059 0 986 356 059

0 986 356 042

0 986 356 059 0 986 356 059 0 986 356 059

0 986 356 042

Wagon R

0 986 356 008 0 986 356 008 0 986 356 006

X-90

TOYOTA

Avensis

Camry



							
l/ccm		kW		Typ		SET	

◀ TOYOTA

Carina							
1.6	1,6	75/79/85	4AFE; 4AFE <Lean Burn>	02.92-10.97	0 986 356 928	B 928	
1.8	1,8	79	7AFE	11.94-10.97	0 986 356 928	B 928	
2.0	2,0	98	3SFE	02.92-10.97	0 986 356 933	B 933	
Celica							
1.8	1,8	85	7AFE	11.93-08.99	0 986 356 928	B 928	
2.0	2,0	129	3SGE	11.93-08.99	0 986 356 945	B 945	
Conquest							
1.3	1,3	55	2E	06.93→	0 986 357 171	B 171	
1.6	1,6	79	4AFE	09.93-10.00	0 986 356 928	B 928	
1.8	1,8	85	7AFE	09.93-06.96	0 986 356 928	B 928	
Corolla [E9]							
1.6	1,6	77	4AFE	09.90-08.95	0 986 356 931	B 931	
Corolla [E10]							
1.3	1,3	55	2E	05.92-04.97	0 986 357 171	B 171	
		55-65	4EFE	05.92-04.97	0 986 356 957	B 957	
1.6	1,6	84-85	4AFE	05.92-04.97	0 986 356 928	B 928	
1.8	1,8	77-85/86	7AFE	09.92-08.97	0 986 356 928	B 928	
Corolla [E11]							
1.3	1,3	53/54	2E	04.97-11.04	0 986 357 171	B 171	
		55-63	4EFE	04.97-11.99	0 986 357 259	B 259	
	1,6	79	4AFE	09.98-11.99	0 986 356 928	B 928	
1.6	1,6	79-81	4AFE	09.96-09.02	0 986 356 928	B 928	
1.8	1,8	81/85	7AFE	10.96-08.02	0 986 356 928	B 928	
Corona							
1.6	1,6	77	4AFE	01.97-10.00	0 986 356 928	B 928	
2.0	2,0	85	3SFE	01.97-10.00	0 986 AM0 063		
Hiace							
2.4	2,4	88	2RZE	06.92-02.05	0 986 357 206	B 206	
Hilux							
1.8	1,8	57	2Y	01.90-08.94	0 986 356 936	B 936	
2.2	2,2	69	4Y	08.88-08.94	0 986 356 936	B 936	
MR2							
2.0	2,0	115/125	3SGE	12.89-08.99	0 986 357 175	B 175	
Paseo							
1.5	1,5	69	5EFE	08.95-07.99	0 986 356 957	B 957	
Picnic							
2.0	2,0	98	3SFE	09.96-05.01	0 986 AM0 063		
					0 986 356 923	B 923	
Previa							
2.4	2,4	97	2TZFE	05.90-12.99	0 986 356 950	B 950	
RAV4							
2.0	2,0	94	3SFE	11.95-08.00	0 986 356 933	B 933	
				09.96-08.00	0 986 AM0 063		
				10.97-08.00	0 986 AM0 063		
				11.95-08.00	0 986 AM0 063		
				0 986 356 933	B 933		
				04.94-08.00	0 986 AM0 063		
				11.95-08.00	0 986 356 933	B 933	
Starlet							
1.0	1,0	40	1E	12.89-01.96	0 986 357 171	B 171	
1.3	1,3	53/55-60	2E; 2EE	12.89-07.99	0 986 357 171	B 171	
		55/60-62	4EFE	01.96-07.99	0 986 356 957	B 957	
Tercel							
1.3	1,3	48-61	2E	04.94-07.99	0 986 357 171	B 171	
4-Runner							
3.0	3,0	105	3VZE	09.89-08.95	0 986 356 937	B 937	



									
	1	2	3	4	5	6	7	8	
									Carina
									Celica
									Conquest
									Corolla [E9]
									Corolla [E10]
									Corolla [E11]
									Corona
									Hiace
									Hilux
									MR2
									Paseo
									Picnic
									Previa
									RAV4
									Starlet
									Tercel
									4-Runner





VAUXHALL

Astra F						
1.4	1,4	44	C 14 NZ <OHC>	09.90-02.98		
			Mot.-Nr. →02V57973; Fg.-Nr. →P2599999; →P3999999; →P4999999; →P5999999; →P6999999; →P8999999	09.90-02.98	0 986 356 747	B 747
			Mot.-Nr. →19241623; 02V57974→02BF1476; Fg.-Nr. R2000001→; R3000001→; R4000001→; R5000001→; R6000001→; R8000001→	09.90-02.98	0 986 357 127	B 127
			X 14 NZ <OHC>	09.97-02.98		
			Mot.-Nr. →02V57973; Fg.-Nr. →P2599999; →P3999999; →P4999999; →P5999999; →P6999999; →P8999999	09.97-02.98	0 986 356 747	B 747
			Mot.-Nr. →19241623; 02V57974→02BF1476; Fg.-Nr. R2000001→; R3000001→; R4000001→; R5000001→; R6000001→; R8000001→	09.97-02.98	0 986 357 127	B 127
			60			
			14 SE/ C 14 SE <OHC>	03.92-02.98		
			Mot.-Nr. →02BD1412; →19280316	03.92-02.98		
			Mot.-Nr. →02T14052; →19880550	03.92-02.98	0 986 357 127	B 127
1.6	1,6	52	Mot.-Nr. 02BD1413→; 19280317→	03.92-02.98		
				02.98-02.98	0 986 357 226	B 226
			Mot.-Nr. 02T14053→02BD1413; 19880551→19280316	03.92-02.98	0 986 357 124	B 124
			66			
			X 14 XE <Ecotec DOHC>	04.96-02.98		
			X 16 SZ <OHC>			
			Mot.-Nr. →02BE6166	07.94-02.98	0 986 357 124	B 124
			Mot.-Nr. 02BE6167→	07.94-02.98	0 986 357 226	B 226
			55			
			C 16 NZ / E 16 NZ <OHC>	09.91-02.98		
1.8	1,8	66	Mot.-Nr. →02V65825	09.91-02.98	0 986 356 723	B 723
			Mot.-Nr. 02BE6167→	09.93-02.98	0 986 357 156	B 156
			Mot.-Nr. 02V65826→02BE6166	09.91-02.98	0 986 357 249	B 249
			X 16 SZR <OHC>	09.95-08.97	TW	0 986 357 063
			Mot.-Nr. →02BE6166	09.95-08.97		0 986 357 124
			Mot.-Nr. 02BE6167→	09.95-08.97		0 986 357 226
			16 LZ2, 16NZ2 <OHC>	09.91-02.98		
			74			
			C 16 SE <OHC>			
			Mot.-Nr. →02BD0920	03.92-02.98	0 986 357 124	B 124
2.0	2,0	85	Mot.-Nr. 02BD0921→	03.92-02.98	0 986 357 226	B 226
			X 16 XEL <Ecotec DOHC>			
			Mot.-Nr. →20C17332	01.94-02.98		0 986 356 778
					WW	0 986 357 234
			Mot.-Nr. 20C17333→	01.94-02.98		
			85			
			C 18 NZ <OHC>	09.91-02.98		
			Mot.-Nr. →14349311	09.91-02.98	0 986 356 801	B 801
			Mot.-Nr. 14349312→	09.91-02.98	0 986 357 127	B 127
			C 18 SEL			
2.0	2,0	85	Fg.-Nr. W2000000→	09.95-08.97	0 986 357 284	B 284
			Fg.-Nr. →V8999999	09.95-08.97	0 986 357 237	B 237
			C 18 XEL <DOHC>			
			Fg.-Nr. W2000000→	09.94-02.98	0 986 357 284	B 284
			Fg.-Nr. →V8999999	09.94-02.98	0 986 357 237	B 237
			X 18 XE <DOHC>			
			Fg.-Nr. W2000000→	09.95-08.97	0 986 357 284	B 284
			Fg.-Nr. →V8999999	09.95-08.97	0 986 357 237	B 237
			92			
			C 18 XE <DOHC>			
2.0	2,0	85	Fg.-Nr. W2000000→	09.94-02.98	0 986 357 284	B 284
			Fg.-Nr. →V8999999	09.94-02.98	0 986 357 237	B 237
			C 20 NE, 20 NE <OHC>	09.91-02.98		
			Mot.-Nr. →14672353	09.91-02.98	0 986 356 801	B 801
			Mot.-Nr. 14672354→Fg.-Nr. R8999999	09.91-02.98	0 986 357 127	B 127
			100			
			X 20 XEV <Ecotec DOHC>			
			Fg.-Nr. W2000000→	01.95-02.98	0 986 357 284	B 284
			Fg.-Nr. →V8999999	01.95-02.98	0 986 357 237	B 237
			110			
			C 20 XE, XE-LN <DOHC>	09.91-02.98		
V			Mot.-Nr. →14002934	09.91-02.98	0 986 357 233	B 233
			Mot.-Nr. 14002935→	09.91-02.98		



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VAUXHALL

Astra F

0 986 356 230

0 986 356 088

0 986 356 087

0 986 356 242

0 986 356 240

0 986 356 239

0 986 356 237

0 986 356 230

0 986 356 088

0 986 356 087

0 986 356 242

0 986 356 240

0 986 356 239

0 986 356 237

0 986 356 230

0 986 356 088

0 986 356 087

0 986 356 086

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0 986 356 240

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0 986 356 255

0 986 356 254

0 986 356 253

0 986 356 090

0 986 356 183

0 986 356 180

0 986 356 180

0 986 356 180

0 986 356 256

0 986 356 255

0 986 356 254

0 986 356 253



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Astra G

1.6	1,6	55	X 16 SZR <Ecotec>	09.97-08.05	0 986 357 126	B 126
			Mot.-Nr. →02BE6165	09.97-08.05	0 986 357 124	B 124
			Mot.-Nr. 02BE6166→	09.97-08.05	0 986 357 126	B 126
		62	Z 16 SE <Ecotec>	09.00-08.05	0 986 357 126	B 126
		76	Z 16 XEP <Twinport Ecotec>	03.03-08.05		

Brava

2.3	2,3	69/72	4 ZD1; 4 ZD1-23P	09.91-09.96		
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Calibra

2.0	2,0	83-85	C 20 NE			
			Fg.-Nr. S1.....→; S9.....→	03.90-03.98	0 986 357 242	B 242
			Mot.-Nr. →14180385	03.90-03.98		
			Mot.-Nr. →14672352	03.90-03.98	0 986 356 801	B 801
			Mot.-Nr. 14180386→	03.90-03.98		
			Mot.-Nr. 14672353→Fg.-Nr. R1.....;	03.90-03.98	0 986 357 125	B 125
			Mot.-Nr. 14672353→Fg.-Nr. R9.....			
		100	X 20 XEV <DOHC II>			
			Mot.-Nr. →14195306	09.93-07.97	0 986 357 237	B 237
			Mot.-Nr. 14195307→	09.93-07.97	0 986 357 284	B 284
		110	C 20 XE,XE-LN <DOHC>			
			Fg.-Nr. P1000001→	03.90-03.97	0 986 357 237	B 237
			Mot.-Nr. →14180385	03.90-03.97	0 986 357 139	B 139
					WW	0 986 357 227
			Mot.-Nr. 14180386→Fg.-Nr. N1999999	03.90-03.97	0 986 357 233	B 233
		150	C 20 LET <Turbo>	03.92-07.97	0 986 357 233	B 233
2.5	2,5	125	C 25 XE,X 25 XE			
			Mot.-Nr. →08145499	04.93-03.97	0 986 357 143	B 143
			Mot.-Nr. 08145500→	04.93-03.97	0 986 357 050	B 050

Carlton

1.8	1,8	65-66	18 SV /18NVR			
			Fg.-Nr. L1204908→	09.89-10.94	0 986 357 125	B 125
			Mot.-Nr. →14258179	09.86-10.94	0 986 356 800	B 800
			Mot.-Nr. 14258180→Fg.-Nr. L1204907	09.89-10.94	0 986 356 850	B 850
		85	18 SEH			
			Fg.-Nr. L1204908→	09.89-10.94	0 986 357 125	B 125
			Mot.-Nr. →14258179	09.86-10.94	0 986 356 800	B 800
			Mot.-Nr. 14258180→Fg.-Nr. L1204907	09.89-10.94	0 986 356 850	B 850
2.0	2,0	73-74	C 20 NEJ/NEF			
			Mot.-Nr. →14180385	06.89-03.94	0 986 356 800	B 800
			Mot.-Nr. 14180386→14672352	09.89-03.94	0 986 356 850	B 850
			Mot.-Nr. 14672353→	09.89-03.94	0 986 357 125	B 125
		85	C 20 NE			
			Mot.-Nr. →14180385	09.86-10.94	0 986 356 800	B 800
			Mot.-Nr. 14180386→14672352	09.89-10.94	0 986 356 850	B 850
			Mot.-Nr. 14672353→	09.89-10.94	0 986 357 125	B 125
		90	20 SE			
			Mot.-Nr. →14180385	09.86-10.94	0 986 356 800	B 800
			Mot.-Nr. 14180386→14312950	09.89-10.94	0 986 356 850	B 850
			Mot.-Nr. 14312951→	09.89-10.94	0 986 357 125	B 125
2.4	2,4	92	C 24 NE CIH			
			Mot.-Nr. →01036313	09.86-10.94		
			Mot.-Nr. 01036314→	09.86-10.94	0 986 356 864	B 864
2.6	2,6	110	C 26 NE CIH	09.90-10.94	0 986 356 814	B 814
3.0	3,0	130	C 30 NE CIH			
			Fg.-Nr. K1000099→Mot.-Nr. 01026690	03.87-10.94		
			Fg.-Nr. →K1000098	03.87-10.94		
			Mot.-Nr. →01026690	03.87-10.94	0 986 357 011	B 011
			Mot.-Nr. 01026691→	03.87-10.94	0 986 357 086	B 086





1	2	3	4	5	6	7	8	
								Astra G
0 986 356 240	0 986 356 239	0 986 356 237	0 986 356 237					
0 986 356 239	0 986 356 237							
0 986 356 240	0 986 356 239	0 986 356 237	0 986 356 237					
0 986 356 252	0 986 356 252	0 986 356 252	0 986 356 251					
								Brava
		0 986 356 059	0 986 356 059					0 986 356 044
								Calibra
		0 986 356 246	0 986 356 246					
								0 986 356 046
0 986 356 080	0 986 356 080	0 986 356 078						
								0 986 356 229
0 986 356 240	0 986 356 240	0 986 356 237						
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253					
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253					
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180					
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180					
								Carlton
0 986 356 019	0 986 356 021	0 986 356 023	0 986 356 027					
								0 986 356 229
0 986 356 017	0 986 356 019	0 986 356 023	0 986 356 025	0 986 356 027	0 986 356 029			0 986 356 089
0 986 356 017	0 986 356 019	0 986 356 023	0 986 356 025	0 986 356 027	0 986 356 029			0 986 356 042
					0 986 356 090			0 986 356 090



							
Typ							

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3.0	3,0	130	30 NE CIH				
			Fg.-Nr. K1000098→; K1000099→Mot.-Nr. 01026690	03.87-10.94			
			Fg.-Nr. K1000099→Mot.-Nr. 01026690	03.87-10.94			
			Fg.-Nr. →K1000098	03.87-10.94			
			Mot.-Nr. →01026690	03.87-10.94		0 986 357 011	B 011
			Mot.-Nr. 01026691→	03.87-10.94		0 986 357 086	B 086
		147-150	C 30 SE/SEJ	01.89-10.94			
Cavalier							
1.4	1,4	55	14 NV				
			Mot.-Nr. →02J22349	09.88-11.95		0 986 356 796	B 796
			Mot.-Nr. →19585415	09.88-11.95	TW		
			Mot.-Nr. 02J22350→	09.88-11.95			
			Mot.-Nr. 19585416→	09.88-11.95	TW	0 986 357 148	B 148
1.6	1,6	52	X 16 SZ <OHC>				
			Fg.-Nr. R1000001→; R5000001→; R7500001→	09.94-11.95		0 986 357 226	B 226
			Fg.-Nr. →P1999999; →P5999999; →P7999999	09.94-11.95		0 986 357 124	B 124
		55	C 16 LZ2	09.94-08.95			
			Fg.-Nr. P1000001→; P5000001→; P7000001→	09.94-08.95		0 986 357 242	B 242
		55-60	E16 NZ,C16 NZ	09.88-11.95			
			Fg.-Nr. R1000001→; R5000001→; R7500001→	09.93-11.95		0 986 357 156	B 156
			Mot.-Nr. →02V65825	09.88-11.95			
			Mot.-Nr. →02V65825; →02V65825	09.88-11.95		0 986 356 723	B 723
		60	16 SV				
			Mot.-Nr. →02E85672	09.88-08.95		0 986 356 723	B 723
			Mot.-Nr. 02E85673→	09.88-08.95		0 986 357 148	B 148
			Mot.-Nr. 02E85673→02N39785	09.88-08.95			
			Mot.-Nr. 02N39786→	09.88-08.95			
1.8	1,8	65	E 18 NVR				
			Mot.-Nr. →14180385	09.88-08.95		0 986 356 722	B 722
			Mot.-Nr. 14180386→	09.88-08.95			
			Mot.-Nr. 14180386→14275381	09.88-08.95		0 986 356 801	B 801
			Mot.-Nr. 14275382→14279654	09.88-08.95		0 986 357 125	B 125
			Mot.-Nr. 14279655→	09.88-08.95		0 986 357 242	B 242
		66	C 18 NZ <OHC>	09.88-11.95			
			Mot.-Nr. →14349310	09.88-11.95		0 986 356 801	B 801
			Mot.-Nr. 14349311→14432540	09.88-11.95		0 986 357 125	B 125
			Mot.-Nr. 14432541→	09.88-11.95		0 986 357 242	B 242
		18 SV					
			Mot.-Nr. →14180385	09.88-08.95		0 986 356 722	B 722
			Mot.-Nr. 14180386→	09.88-08.95			
			Mot.-Nr. 14180386→14275381	09.88-08.95		0 986 356 801	B 801
			Mot.-Nr. 14275382→14279654	09.88-08.95		0 986 357 125	B 125
			Mot.-Nr. 14279655→	09.88-08.95		0 986 357 242	B 242
2.0	2,0	85	20 NE				
			Mot.-Nr. →14180385	09.88-08.95		0 986 356 722	B 722
			Mot.-Nr. 14180386→	09.88-08.95			
			Mot.-Nr. 14180386→14672352	09.88-08.95		0 986 356 801	B 801
			Mot.-Nr. 14672353→14841581	09.88-08.95		0 986 357 125	B 125
			Mot.-Nr. 14841582→	09.88-08.95		0 986 357 242	B 242
		86	C 20 NE				
			Mot.-Nr. →14180385	09.88-11.95		0 986 356 722	B 722
			Mot.-Nr. 14180386→	09.88-11.95			
			Mot.-Nr. 14180386→14672352	09.88-11.95		0 986 356 801	B 801
			Mot.-Nr. 14672353→14841581	09.88-11.95		0 986 357 125	B 125
			Mot.-Nr. 14841582→	09.88-11.95		0 986 357 242	B 242
		95	20 SEH				
			Mot.-Nr. →14180385	09.88-08.95			
			Mot.-Nr. 14180386→	09.88-08.95			
			Mot.-Nr. 14180386→14672352	09.88-08.95		0 986 356 801	B 801
			Mot.-Nr. 14672353→	09.88-08.95		0 986 357 125	B 125
		100	X 20 XEV	09.93-11.95		0 986 357 237	B 237





1	2	3	4	5	6	7	8
0 986 356 017	0 986 356 019	0 986 356 023	0 986 356 025	0 986 356 027	0 986 356 029		
							0 986 356 089
							0 986 356 042
					0 986 356 090		0 986 356 090
							0 986 356 190
							Cavalier
							0 986 356 089
0 986 356 088	0 986 356 088	0 986 356 086	0 986 356 086				
0 986 356 088	0 986 356 088	0 986 356 086	0 986 356 086				0 986 356 229
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
0 986 356 247	0 986 356 246	0 986 356 244	0 986 356 243				
0 986 356 239	0 986 356 237						
		0 986 356 246	0 986 356 246				0 986 356 229
							0 986 356 061
0 986 356 218	0 986 356 084	0 986 356 085	0 986 356 061				
0 986 356 218	0 986 356 084	0 986 356 085	0 986 356 061				0 986 356 061
							0 986 356 229
0 986 356 088	0 986 356 088	0 986 356 086	0 986 356 086				
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
			0 986 356 019				0 986 356 046
							0 986 356 229
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
		0 986 356 246	0 986 356 246				
							0 986 356 229
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
		0 986 356 246	0 986 356 246				
			0 986 356 019				0 986 356 046
							0 986 356 229
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
		0 986 356 246	0 986 356 246				
			0 986 356 019				0 986 356 046
							0 986 356 229
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
		0 986 356 246	0 986 356 246				
			0 986 356 019				0 986 356 046
							0 986 356 229
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
		0 986 356 246	0 986 356 246				
			0 986 356 019				0 986 356 046
							0 986 356 229
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
		0 986 356 246	0 986 356 246				
			0 986 356 019				0 986 356 046
							0 986 356 229
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
		0 986 356 246	0 986 356 246				
			0 986 356 019				0 986 356 046
							0 986 356 229
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
		0 986 356 246	0 986 356 246				
			0 986 356 019				0 986 356 046
							0 986 356 229
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
		0 986 356 246	0 986 356 246				
			0 986 356 019				0 986 356 046
							0 986 356 229
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
		0 986 356 246	0 986 356 246				
			0 986 356 019				0 986 356 046
							0 986 356 229
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
		0 986 356 246	0 986 356 246				
			0 986 356 019				0 986 356 046
							0 986 356 229
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
		0 986 356 246	0 986 356 246				
			0 986 356 019				0 986 356 046
							0 986 356 229
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
		0 986 356 246	0 986 356 246				
			0 986 356 019				0 986 356 046
							0 986 356 229
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
		0 986 356 246	0 986 356 246				
			0 986 356 019				0 986 356 046
							0 986 356 229
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
		0 986 356 246	0 986 356 246				
			0 986 356 019				0 986 356 046
							0 986 356 229
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
		0 986 356 246	0 986 356 246				
			0 986 356 019				0 986 356 046
							0 986 356 229
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
		0 986 356 246	0 986 356 246				
			0 986 356 019				0 986 356 046
							0 986 356 229
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
		0 986 356 246	0 986 356 246				
			0 986 356 019				0 986 356 046
							0 986 356 229
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
		0 986 356 246	0 986 356 246				
			0 986 356 019				0 986 356 046
							0 986 356 229
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
		0 986 356 246	0 986 356 246				
			0 986 356 019				0 986 356 046
							0 986 356 229
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
		0 986 356 246	0 986 356 246				
			0 986 356 019				0 986 356 046
							0 986 356 229
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
		0 986 356 246	0 986 356 246				
			0 986 356 019				0 986 356 046
							0 986 356 229
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
		0 986 356 246	0 986 356 246				
			0 986 356 019				0 986 356 046
							0 986 356 229
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
		0 986 356 246	0 986 356 246				
			0 986 356 019				0 986 356 046
							0 986 356 229
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
		0 986 356 246	0 986 356 246				
			0 986 356 019				0 986 356 046
							0 986 356 229
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
		0 986 356 246	0 986 356 246				
			0 986 356 019				0 986 356 046
							0 986 356 229
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
		0 986 356 246	0 986 356 246				
			0 986 356 019				0 986 356 046
							0 986 356 229
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
		0 986 356 246	0 986 356 246				
			0 986 356 019				0 986 356 046
							0 986 356 229
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
		0 986 356 246	0 986 356 246				
			0 986 356 019				0 986 356 046
							0 986 356 229
0 986 356							



							
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2.0	2,0	110	C 20 XE (XEJ-LN)				
			Fg.-Nr. P1000001→; P5000001→; P7500001→	09.88-11.95		0 986 357 237	B 237
			Mot.-Nr. →14028514	09.88-11.95		0 986 357 139	B 139
					WW	0 986 357 227	B 227
			Mot.-Nr. 14028515→Fg.-Nr. NV999999;	09.88-11.95		0 986 357 233	B 233
			Mot.-Nr. 14028515→Fg.-Nr. N1999999;				
			Mot.-Nr. 14028515→Fg.-Nr. N5999999				
			20 XE/XEJ				
			Fg.-Nr. P1000001→; P5000001→; P7500001→	09.88-11.95		0 986 357 237	B 237
			Mot.-Nr. →14180385	09.88-11.95		0 986 357 139	B 139
					WW	0 986 357 227	B 227
			Mot.-Nr. 14180386→Fg.-Nr. NV999999;	09.88-11.95		0 986 357 233	B 233
			Mot.-Nr. 14180386→Fg.-Nr. N1999999;				
			Mot.-Nr. 14180386→Fg.-Nr. N5999999				
		150	C 20 LET <Turbo>	09.92-08.95		0 986 357 233	B 233
2.5	2,5	125	C 25 XE	02.93-11.95		0 986 357 143	B 143
Combo							
1.2	1,2	33	C 12 NZ	09.94-10.01			
			Mot.-Nr. →19334656	09.94-10.01		0 986 357 148	B 148
			Mot.-Nr. 19334657→	09.94-10.01	WW	0 986 357 247	B 247
			X 12 SZ <Ecotec>				
			Mot.-Nr. →19330000	09.94-10.01		0 986 357 124	B 124
			Mot.-Nr. 02HY3580→	09.94-10.01		0 986 357 126	B 126
			Mot.-Nr. 19330001→	09.94-10.01		0 986 357 226	B 226
			Mot.-Nr. 19330001→02HY3579	09.94-10.01			
			12 NZ	06.00-10.01			
			Mot.-Nr. →19334656	06.00-10.01		0 986 357 148	B 148
			Mot.-Nr. 19334657→	06.00-10.01	WW	0 986 357 247	B 247
1.4	1,4	44	C 14 NZ	09.94-10.01	KL		
			Mot.-Nr. →02BF1475; →19241622	09.94-10.01		0 986 357 148	B 148
			Mot.-Nr. 02BF1476→; 19241623→	09.94-10.01	KL, WW	0 986 357 247	B 247
					KL	0 986 356 746	B 746
			X 14 SZ <Ecotec>				
			Mot.-Nr. →02HY3579; →19747137	04.96-10.01		0 986 357 226	B 226
			Mot.-Nr. 02HY3580→	04.96-10.01		0 986 357 126	B 126
		60	C 14 SE				
			Mot.-Nr. →02BD1412; →19262000	09.94-10.01		0 986 357 124	B 124
			Mot.-Nr. 02BD1413→02HY3579; 19262001→	09.94-10.01		0 986 357 226	B 226
			Mot.-Nr. 02HY3580→	09.94-10.01		0 986 357 126	B 126
		66	C 14 SEL				
			Mot.-Nr. →20C17331	08.99-10.01		0 986 356 778	B 778
					WW	0 986 357 234	B 234
			Mot.-Nr. 20C17332→	08.99-10.01			
1.6	1,6	64	Z 16 SE	10.01-08.04		0 986 357 126	B 126
		71	Y 16 YNG <Ecotec-Gas CNG>	04.05-05.06			
Corsa							
1.2	1,2	33	C 12 NZ	09.94-08.00			
			Mot.-Nr. →19334656	09.94-08.00		0 986 357 148	B 148
			Mot.-Nr. 19334657→	09.94-08.00	WW	0 986 357 247	B 247
			X 12 SZ <Ecotec>				
			Mot.-Nr. →19330000	09.94-08.00		0 986 357 124	B 124
			Mot.-Nr. 02HY3580→	09.94-08.00		0 986 357 126	B 126
			Mot.-Nr. 19330001→	09.94-08.00		0 986 357 226	B 226
			Mot.-Nr. 19330001→02HY3579	09.94-08.00			
			12 NZ	09.94-08.00			
			Mot.-Nr. →19334656	09.94-08.00		0 986 357 148	B 148
			Mot.-Nr. 19334657→	09.94-08.00	WW	0 986 357 247	B 247
1.4	1,4	44	C 14 NZ	09.94-08.00	KL		
			Mot.-Nr. →02BF1475; →19241622	09.94-08.00		0 986 357 148	B 148
			Mot.-Nr. 02BF1476→; 19241623→	09.94-08.00	KL, WW	0 986 357 247	B 247
					KL	0 986 356 746	B 746





1	2	3	4	5	6	7	8
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180				
0 986 356 256	0 986 356 255	0 986 356 254	0 986 356 253				
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180				
0 986 356 183	0 986 356 180	0 986 356 180	0 986 356 180				
							Combo
							0 986 356 229
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
0 986 356 239	0 986 356 237						
0 986 356 240	0 986 356 239	0 986 356 237	0 986 356 237				
0 986 356 247	0 986 356 246	0 986 356 244	0 986 356 243				
							0 986 356 229
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
							0 986 356 229
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
0 986 356 247	0 986 356 246	0 986 356 244	0 986 356 243				
0 986 356 240	0 986 356 239	0 986 356 237	0 986 356 237				
0 986 356 239	0 986 356 237						
0 986 356 247	0 986 356 246	0 986 356 244	0 986 356 243				
0 986 356 240	0 986 356 239	0 986 356 237	0 986 356 237				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180				
0 986 356 240	0 986 356 239	0 986 356 237	0 986 356 237				
0 986 356 252	0 986 356 252	0 986 356 252	0 986 356 251				
							Corsa
							0 986 356 229
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
0 986 356 239	0 986 356 237						
0 986 356 240	0 986 356 239	0 986 356 237	0 986 356 237				
0 986 356 247	0 986 356 246	0 986 356 244	0 986 356 243				
							0 986 356 229
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
							0 986 356 229
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				



							
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1.4	1,4	44	X 14 SZ <Ecotec>				
			Mot.-Nr. →02HY3579; →19747137	09.96-08.98		0 986 357 226	B 226
			Mot.-Nr. 02HY3580→	09.96-08.98		0 986 357 126	B 126
		60	C 14 SE				
			Mot.-Nr. →02BD1412; →19262000	09.94-08.00		0 986 357 124	B 124
			Mot.-Nr. 02BD1413→02HY3579; 19262001→	09.94-08.00		0 986 357 226	B 226
			Mot.-Nr. 02HY3580→	09.94-08.00		0 986 357 126	B 126
		63	C 14 SEL				
			Mot.-Nr. →20C17331	03.98-08.00		0 986 356 778	B 778
			Mot.-Nr. 20C17332→	03.98-08.00	WW	0 986 357 234	B 234
66	X 14 XE <Ecotec>						
	Mot.-Nr. →20C17331	09.94-08.99		0 986 356 778	B 778		
	Mot.-Nr. 20C17332→	09.94-08.99	WW	0 986 357 234	B 234		
1.6	1,6	62	Z 16 SE <Ecotec>	09.01-08.03		0 986 357 126	B 126
		74	C 16 SEL				
			Mot.-Nr. →20C17331	06.98-08.00		0 986 356 778	B 778
			Mot.-Nr. 20C17332→	06.98-08.00	WW	0 986 357 234	B 234
		78	X 16 XE <Ecotec>				
			Mot.-Nr. →20C17331	09.94-08.99		0 986 356 778	B 778
			Mot.-Nr. 20C17332→	09.94-08.99	WW	0 986 357 234	B 234
		80	C 16 XE				
			Mot.-Nr. →20C17331	09.94-08.00		0 986 356 778	B 778
			Mot.-Nr. 20C17332→	09.94-08.00	WW	0 986 357 234	B 234
		Euromidi					
2.0	2,0	74	20	09.88-08.96			
Frontera							
2.0	2,0	85	C 20 NE				
			Mot.-Nr. →14672353	01.92-08.95		0 986 356 850	B 850
			Mot.-Nr. 14672354→	01.92-08.95		0 986 357 125	B 125
			X 20 SE <Ecotec>	02.95-08.98		0 986 357 228	B 228
2.2	2,2	100	X 22 XE <Ecotec>	02.95-08.98		0 986 357 228	B 228
2.4	2,4	92	C 24 NE CIH	01.92-08.95		0 986 356 864	B 864
Meriva							
1.6	1,6	64	Z 16 SE <Ecotec>	03.03-09.05			
Monterey							
3.2	3,2	130	6VDI	06.92-08.98		0 986 357 167	B 167
Nova							
1.0	1,0	33	10 S OHV	05.83-08.94		0 986 356 862	B 862
1.2	1,2	33	C 12 NZ <OHC>	09.90-08.94		0 986 357 148	B 148
			Mot.-Nr. 19B38644→	09.90-08.94			
			12 NC OHV	05.83-08.94		0 986 356 862	B 862
		33/40-43	Mot.-Nr. →0106700	05.83-08.94			
			12 NV <OHC I>; 12 S <OHC>; 12 ST	05.83-08.94		0 986 356 886	B 886
1.3	1,3	44/51	C 13 N <OHC>; 13 S <OHC>; 13 SB <OHC>	05.83-08.94		0 986 356 886	B 886
1.4	1,4	44	C 14 NZ <OHC I>	01.90-08.94		0 986 357 148	B 148
			Mot.-Nr. 02N40263→	01.90-08.94			
		55	14 NV	01.90-08.94		0 986 357 148	B 148
			Mot.-Nr. 19585416→	01.90-08.94			
		60	C 14 SE <OHC I>	09.91-08.94			
			Mot.-Nr. →02T14052	09.91-08.94	TW	0 986 357 063	B 063
			Mot.-Nr. →19585415	09.91-08.94	TW	0 986 357 148	B 148
			Mot.-Nr. 02T14053→	09.91-08.94		0 986 357 124	B 124
			Mot.-Nr. 19585416→	09.91-08.94	TW		
1.6	1,6	55	C 16 NZ <OHC>	09.90-08.94			
		74	C 16 SE <OHC>	05.88-08.94			
			Mot.-Nr. →02V57973	05.88-08.94		0 986 356 746	B 746
			Mot.-Nr. 02V57974→	05.88-08.94		0 986 357 148	B 148



1	2	3	4	5	6	7	8
0 986 356 247	0 986 356 246	0 986 356 244	0 986 356 243				
0 986 356 240	0 986 356 239	0 986 356 237	0 986 356 237				
0 986 356 239	0 986 356 237						
0 986 356 247	0 986 356 246	0 986 356 244	0 986 356 243				
0 986 356 240	0 986 356 239	0 986 356 237	0 986 356 237				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180				
0 986 356 240	0 986 356 239	0 986 356 237	0 986 356 237				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 183				
0 986 356 183	0 986 356 181	0 986 356 181	0 986 356 180				
							Euromidi
							0 986 356 044
							Frontera
0 986 356 080	0 986 356 080	0 986 356 078					
0 986 356 240	0 986 356 087	0 986 356 237					
							Meriva
0 986 356 252	0 986 356 252	0 986 356 251	0 986 356 251				
							Monterey
							Nova
0 986 356 023	0 986 356 023	0 986 356 021	0 986 356 021				0 986 356 049
							0 986 356 229
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
							0 986 356 049
0 986 356 023	0 986 356 023	0 986 356 021	0 986 356 021				
0 986 356 084	0 986 356 084	0 986 356 085	0 986 356 061				0 986 356 061
0 986 356 084	0 986 356 084	0 986 356 085	0 986 356 061				0 986 356 061
							0 986 356 229
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
							0 986 356 229
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
							0 986 356 229
0 986 356 087	0 986 356 086						
0 986 356 242	0 986 356 240	0 986 356 239	0 986 356 237				
0 986 356 088	0 986 356 088	0 986 356 087	0 986 356 086				
0 986 356 239	0 986 356 237						
0 986 356 088	0 986 356 086	0 986 356 086	0 986 356 086				
0 986 356 063	0 986 356 062	0 986 356 061	0 986 356 061				
							0 986 356 229
0 986 356 088	0 986 356 088	0 986 356 087	0 986 356 086				
0 986 356 239	0 986 356 237						



							
l/100km		kW		Typ		SET	

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Omega								
2.0	2,0	85	X 20 SE <Ecotec>					
			Mot.-Nr. →14367064	04.94-12.00		0 986 357 126	B 126	
		100	20 SE					
			Mot.-Nr. →14367064	04.94-12.00		0 986 357 126	B 126	
2.5	2,5	125	X 20 XEV <Ecotec>	09.93-08.99	TW	0 986 357 237	B 237	
			X 25 XE <Ecotec>					
			Mot.-Nr. →08145499	04.94-09.04		0 986 357 055	B 055	
3.0	3,0	155	Mot.-Nr. 08145500→	04.94-09.04		0 986 357 050	B 050	
			X 30 XE <Ecotec>					
			Mot.-Nr. →08145499	04.94-02.01		0 986 357 055	B 055	
Sintra								
2.2	2,2	104	X 22 XE <Ecotec>	09.96-09.99		0 986 357 237	B 237	
3.0	3,0	148	X 30 XE <Ecotec>					
			Mot.-Nr. →08145499	09.96-09.99		0 986 357 055	B 055	
			Mot.-Nr. 08145500→	09.96-09.99		0 986 357 050	B 050	
Tigra								
1.4	1,4	66	X 14 XE <Ecotec>					
			Mot.-Nr. →20C17331	09.94-08.99		0 986 356 778	B 778	
					WW	0 986 357 234	B 234	
			Mot.-Nr. 20C17332→	09.94-08.99				
1.6	1,6	78	X 16 XE <Ecotec>					
			Mot.-Nr. →20C17331	09.94-08.99		0 986 356 778	B 778	
					WW	0 986 357 234	B 234	
			Mot.-Nr. 20C17332→	09.94-08.99				
Vectra								
1.6	1,6	55	X 16 SZR <Ecotec>					
			Mot.-Nr. →02HP7704	09.96-08.00		0 986 357 226	B 226	
			Mot.-Nr. 02HP7705→	09.96-08.00		0 986 357 126	B 126	
		74	16 LZ2	09.95-08.00		0 986 357 242	B 242	
			X 16 XEL <Ecotec>	09.95-08.00		0 986 356 778	B 778	
					WW	0 986 357 234	B 234	
			Fg.-Nr. →W1285446; →W5276825; →W7154258	09.95-08.00				
1.8	1,8	85	X 18 XE <Ecotec>	09.95-08.99	TW	0 986 357 237	B 237	
2.0	2,0	82	20 NEJ					
			Mot.-Nr. →14885919	09.95-08.01		0 986 357 126	B 126	
		100	C 20 SEL; X 20 XEV <Ecotec>	09.95-09.02	TW	0 986 357 237	B 237	
2.2	2,2	106	C 22 SEL	10.99-08.01		0 986 357 237	B 237	
2.5	2,5	125-143	X 25 XE <Ecotec>	09.95-09.00		0 986 357 162	B 162	



VOLGA

3102/3105/3110							
2.0	2,0	100	20T4	01.86→			

VOLVO

C70							
2.0	2,0	132/166	B 5204 T3; B5204T2	01.97-07.98		0 986 357 232	B W232
					WW	0 986 356 753	B 753
2.3	2,3	176	B5234T3	09.97-07.98		0 986 357 232	B W232
					WW	0 986 356 753	B 753
2.5	2,4	142	B5254T	01.98-07.98		0 986 357 232	B W232
					WW	0 986 356 753	B 753
S40 I							
1.6	1,6	77/80	B4164S; B4164S2	01.97-01.04		0 986 356 817	B 817
					WW	0 986 357 238	B W238
1.8	1,8	85/90/92	B4184S; B4184SM; B4184S2; B4184S3; B4184S9; B4184S10	09.95-01.04		0 986 356 817	B 817
					WW	0 986 357 238	B W238



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5

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7

8

Omega

0 986 356 240 0 986 356 239 0 986 356 237 0 986 356 237

0 986 356 240 0 986 356 239 0 986 356 237 0 986 356 237

0 986 356 256 0 986 356 255 0 986 356 254 0 986 356 253

Sintra

0 986 356 256 0 986 356 255 0 986 356 254 0 986 356 253

Tigra

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 183

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 180

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 183

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 180

Vectra

0 986 356 247 0 986 356 246 0 986 356 244 0 986 356 243

0 986 356 240 0 986 356 239 0 986 356 237 0 986 356 237

0 986 356 229

0 986 356 183 0 986 356 181 0 986 356 181 0 986 356 180

0 986 356 256 0 986 356 255 0 986 356 254 0 986 356 253

0 986 356 240 0 986 356 239 0 986 356 237 0 986 356 237

0 986 356 256 0 986 356 255 0 986 356 254 0 986 356 253

0 986 356 256 0 986 356 255 0 986 356 254 0 986 356 253

VOLGA

3102/3105/3110

0 986 356 008 0 986 356 006 0 986 356 006 0 986 356 004

VOLVO

C70

0 986 356 128 0 986 356 130 0 986 356 130 0 986 356 135 0 986 356 135 0 986 356 190

0 986 356 128 0 986 356 130 0 986 356 130 0 986 356 135 0 986 356 135 0 986 356 190

0 986 356 128 0 986 356 130 0 986 356 130 0 986 356 135 0 986 356 135 0 986 356 190

S40 I

0 986 356 056 0 986 356 055 0 986 356 055 0 986 356 055

0 986 356 056 0 986 356 055 0 986 356 055 0 986 356 055



							
VOLVO							
1.9	1,9	147	B4194T	05.97-07.99		0 986 356 817	B 817
					WW	0 986 357 238	B W238
2.0	1,9	118	B4204T2	08.99-07.00		0 986 356 817	B 817
					WW	0 986 357 238	B W238
	2,0	100/103/118/ 120/121/147	B4204S; B4204S2; B4204T; B4204T3; B4204T5	09.95-01.04		0 986 356 817	B 817
					WW	0 986 357 238	B W238
S70							
R 2.3	2,3	177-184	B5234T4	01.97-07.98		0 986 357 232	B W232
					WW	0 986 356 753	B 753
2.0	2,0	93/105	B5202 S; B5204S	01.97-07.99		0 986 357 054	B W054
					WW	0 986 356 753	B 753
		132/155	B5204T; B5204T2	01.97-07.98		0 986 357 232	B W232
					WW	0 986 356 753	B 753
2.3	2,3	160/176-177	B5234T2; B5234T3	01.97-07.98		0 986 357 232	B W232
				01.97-08.98	WW	0 986 356 753	B 753
2.5	2,4	106	B5252S	01.97-07.99		0 986 357 054	B W054
					WW	0 986 356 753	B 753
			GB5252S	08.98-07.99		0 986 357 054	B W054
		121	B5254S	01.97-07.98		0 986 357 232	B W232
					WW	0 986 356 753	B 753
		142	B5254T	01.97-07.98		0 986 357 232	B W232
				01.97-08.98	WW	0 986 356 753	B 753
S80 I							
2.0	2,0	166	B5204T3	08.98-07.00		0 986 357 232	B W232
					WW	0 986 356 753	B 753
V40 I							
1.6	1,6	77/80	B4164S; B4164S2	01.97-04.04		0 986 356 817	B 817
					WW	0 986 357 238	B W238
1.8	1,8	85/90	B4184S; B4184S2; B4184S3; B4184S9; B4184S10	01.95-06.04		0 986 356 817	B 817
					WW	0 986 357 238	B W238
1.9	1,9	147	B4194T	05.97-07.99		0 986 356 817	B 817
					WW	0 986 357 238	B W238
2.0	1,9	118/121	B4204T2	08.99-07.01		0 986 356 817	B 817
					WW	0 986 357 238	B W238
	2,0	100/103/118/ 120/147	B4204S; B4204S2; B4204T; B4204T3; B4204T5	01.96-04.04		0 986 356 817	B 817
					WW	0 986 357 238	B W238
V70 I							
2.0	2,0	93	B5202FS	01.97-07.99		0 986 357 054	B W054
					WW	0 986 356 753	B 753
		105/132/155/ 166	B5204S; B5204T; B5204T2; B5204T3	01.97-07.98		0 986 357 232	B W232
					WW	0 986 356 753	B 753
2.3	2,3	160/174-176/ 184	B5234T2; B5234T3; B5234T4; B5234T6	01.97-07.98		0 986 357 232	B W232
					WW	0 986 356 753	B 753
2.5	2,4	103	GB5252S	08.97-07.99		0 986 357 054	B W054
					WW	0 986 356 753	B 753
		106	B5252S	01.97-03.00		0 986 357 054	B W054
					WW	0 986 356 753	B 753
		121	B5254S	01.97-07.98		0 986 357 232	B W232
					WW	0 986 356 753	B 753
		142	B5254T	01.97-07.98		0 986 357 232	B W232
				01.97-08.98	WW	0 986 356 753	B 753
440							
1.6	1,6	61-69	B16F Kat.	01.92-07.97		0 986 356 852	B 852
1.7	1,7	78-80	B18EP	09.88-07.94		0 986 356 852	B 852
1.8	1,7	88	B18FT Kat.	09.88-07.96		0 986 356 885	B 885
	1,8	66	B18U Kat.	09.91-07.97		0 986 356 852	B 852
2.0	2,0	80	B20F Kat.	09.92-12.96		0 986 356 852	B 852
460							
1.6	1,6	61	B16F Kat.	03.90-07.97		0 986 356 852	B 852
1.7	1,7	66	B18KP	03.90-07.97		0 986 357 254	B W254
		78	B18EP	03.90-07.97		0 986 356 852	B 852
		88	B18FT Kat.	03.90-07.96		0 986 356 885	B 885
1.8	1,8	66	B18U Kat.	09.91-07.97		0 986 356 852	B 852



1	2	3	4	5	6	7	8
0 986 356 056	0 986 356 055	0 986 356 055	0 986 356 055				
0 986 356 056	0 986 356 055	0 986 356 055	0 986 356 055				
0 986 356 056	0 986 356 055	0 986 356 055	0 986 356 055				
S70							
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
S80 I							
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
V40 I							
0 986 356 056	0 986 356 055	0 986 356 055	0 986 356 055				
0 986 356 056	0 986 356 055	0 986 356 055	0 986 356 055				
0 986 356 056	0 986 356 055	0 986 356 055	0 986 356 055				
0 986 356 056	0 986 356 055	0 986 356 055	0 986 356 055				
0 986 356 056	0 986 356 055	0 986 356 055	0 986 356 055				
V70 I							
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
0 986 356 128	0 986 356 130	0 986 356 130	0 986 356 135	0 986 356 135			0 986 356 190
440							
460							



							
l/100km		kW		Typ		SET	

◀VOLVO

2.0	2,0	80	B20F Kat.	09.92-12.96	0 986 356 852	B 852
480						
1.7	1,7	88-90	B18FT Kat.	09.88-07.95	0 986 356 885	B 885
2.0	2,0	81	B20F Kat.	09.92-12.96	0 986 356 852	B 852
740						
2.3	2,3	83-85/94	B230F Kat.; B230G	08.88-07.95	0 986 356 847	B 847
					WW	0 986 357 244 B W244
850						
2.0	2,0	93	B5202S Kat.	09.94-12.96	0 986 357 054	B W054
		105/129-132/155	B5204S Kat.; B5204T Kat.; B5204T2 Kat.	09.91-07.97	0 986 357 232	B W232
2.3	2,0	155	B5204FT Kat.	01.94-07.96	0 986 357 232	B W232
		2,3	B5234S Kat.	09.93-07.96	0 986 357 232	B W232
				09.97-07.98	0 986 357 232	B W232
		166	B5234FT Kat.	09.93-07.97	0 986 357 232	B W232
		166-184	B5234T Kat.; B5234T5	09.94-07.97	0 986 357 232	B W232
2.5	2,4	103-106	B5252S Kat.	09.92-07.97	0 986 357 054	B W054
		125/140-142	B5254S Kat.; B5254T Kat.	09.91-07.97	0 986 357 232	B W232
940						
2.0	2,0	80-89/114	B200F Kat.; B200FT Kat.; B200G; B200GT .	09.91-09.98	0 986 356 847	B 847
					WW	0 986 357 244 B W244
2.3	2,3	84/96-99/113-151	B230F Kat.; B230FD Kat.; B230FK Kat.; B230FT Kat.; B230FT4; B230G	09.90-10.98	0 986 356 847	B 847
					WW	0 986 357 244 B W244
960						
2.0	2,0	103	B204E	09.91-07.94	0 986 356 847	B 847
					WW	0 986 357 244 B W244
		140	B204FT Kat.	09.91-07.94		

VW (VOLKSWAGEN)

Bora						
1.4	1,4	55	AHW; AKQ; APE; AXP	09.98-05.05	0 986 356 308	B 308
1.6	1,6	74	AEH; AKL; APF	09.98-05.05	0 986 356 359	B 359
		75	AVU	09.00-05.05	0 986 356 346	B 346
			BFQ	05.02-05.05	0 986 356 346	B 346
		77	ATN; AUS	08.99-10.00	0 986 356 308	B 308
			AZD	09.00-11.01	0 986 356 308	B 308
1.8	1,8	92	AGN	09.98-10.00	0 986 356 337	B 337
		110	BAE	08.01-01.06	0 986 356 346	B 346
2.0	2,0	85	APK	09.98-05.05	0 986 356 359	B 359
					WW	0 986 356 331 B 331
			AQY; AZH	09.98-05.05	0 986 356 359	B 359
			AZJ <MR4>	05.01-05.05	0 986 356 345	B 345
2.3	2,3	110	AGZ	09.98-02.01	0 986 356 349	B 349
2.8	2,8	150	AQP; AUE	05.99-04.01	0 986 356 348	B 348
Bora Variant						
1.4	1,4	55	AHW; AXP	05.00-05.05	0 986 356 308	B 308
1.6	1,6	74	AEH; AKL; APF	05.99-05.05	0 986 356 359	B 359
		75	AVU	09.00-05.05	0 986 356 346	B 346
			BFQ	05.02-05.03	0 986 356 346	B 346
		77	ATN; AUS	08.99-10.00	0 986 356 308	B 308
			AZD	09.00-11.01	0 986 356 308	B 308
1.8	1,8	92	AGN	05.99-10.00	0 986 356 337	B 337
2.0	2,0	85	APK; AQY; AZH	05.99-05.05	0 986 356 359	B 359
			AZJ <MR4>	05.01-05.05	0 986 356 345	B 345
2.3	2,3	110	AGZ	05.99-02.01	0 986 356 349	B 349
2.8	2,8	150	AQP; AUE	05.99-04.01	0 986 356 348	B 348
Caddy						
1.4	1,4	44	AEX; AKV	11.95-09.00		
			APQ	11.95-06.03		
			AUD	09.00-06.03	0 986 356 312	B 312



1

2

3

4

5

6

7

8

480

740

0 986 356 131 0 986 356 130 0 986 356 129 0 986 356 128

0 986 356 192

850

940

0 986 356 131 0 986 356 130 0 986 356 129 0 986 356 128

0 986 356 192

0 986 356 131 0 986 356 130 0 986 356 129 0 986 356 128

0 986 356 192

960

0 986 356 131 0 986 356 130 0 986 356 129 0 986 356 128

0 986 356 192

0 986 356 131 0 986 356 130 0 986 356 129 0 986 356 129

VW (VOLKSWAGEN)

Bora

0 986 357 726 0 986 357 726 0 986 357 725 0 986 357 724

0 986 357 732 0 986 357 732 0 986 357 730 0 986 357 729

0 986 357 732 0 986 357 732 0 986 357 730 0 986 357 729

0 986 357 726 0 986 357 726 0 986 357 725 0 986 357 724

0 986 357 726 0 986 357 726 0 986 357 725 0 986 357 724

0 986 357 727 0 986 357 727 0 986 357 727

0 986 357 732 0 986 357 732 0 986 357 730 0 986 357 729

0 986 357 733 0 986 357 732 0 986 357 731 0 986 357 729

0 986 357 733 0 986 357 732 0 986 357 731 0 986 357 729

0 986 357 735 0 986 357 733 0 986 357 730 0 986 357 729

0 986 357 735 0 986 357 735 0 986 357 734 0 986 357 734 0 986 357 732

Bora Variant

0 986 357 726 0 986 357 726 0 986 357 725 0 986 357 724

0 986 357 732 0 986 357 732 0 986 357 730 0 986 357 729

0 986 357 732 0 986 357 732 0 986 357 730 0 986 357 729

0 986 357 726 0 986 357 726 0 986 357 725 0 986 357 724

0 986 357 726 0 986 357 726 0 986 357 725 0 986 357 724

0 986 357 727 0 986 357 727 0 986 357 727

0 986 357 733 0 986 357 732 0 986 357 731 0 986 357 729

0 986 357 735 0 986 357 733 0 986 357 730 0 986 357 729

0 986 357 735 0 986 357 735 0 986 357 734 0 986 357 734 0 986 357 732

Caddy

0 356 912 887 0 356 912 888 0 356 912 987 0 356 912 944

0 356 904 068

0 356 912 887 0 356 912 888 0 356 912 987 0 356 912 944

0 356 904 068

0 356 912 993

0 986 357 736 0 986 357 734 0 986 357 732 0 986 357 732



							
l/ccm		kW		Typ		SET	

◀ VW

1.4	1,4	55	AUA	09.00-06.03	0 986 356 308	B 308
1.6	1,6	55	AEE	06.96-12.00		
			1F	11.95-05.97	0 986 356 338	B 338
		72-75	BGU; BSE <MW6>; BSF <MW6>; CHGA <DF2>	04.04→	0 986 356 346	B 346
1.8	1,8	66	ADD <M31>	09.02-09.05		
2.0	2,0	80	BSX <D7R>	04.06-08.10	0 986 356 345	B 345
				10.10→	0 986 356 345	B 345
Corrado						
2.9	2,9	140	ABV	08.91-07.95	0 986 356 301	B 301
Fox						
1.3	1,3	48	GY	07.87-12.95		
1.6	1,6	60	HM	07.87-12.95		
1.8	1,8	70	HV	08.90-12.95		
Golf I						
1.3	1,3	44	GF	11.79-12.95		
		48	GY	06.96-06.99		
1.6	1,6	60	HM	07.85-12.94		
				06.96-12.98		
1.8	1,8	70	HV	01.88-12.97		
Golf III						
1.4	1,4	40-44	ABD	11.91-07.95	0 986 356 358	B 358
		44	AEX	07.95-12.97	0 986 356 360	B 360
				07.95-02.99		
			APQ	12.97-05.98		
1.6	1,6	55	ABU; AEA	09.92-06.95	0 986 356 343	B 343
			AEE	07.95-12.97	0 986 356 360	B 360
		74	AEK	10.94-12.95		
			AFT	12.95-04.98		
				12.95-02.99		
			AKS	05.97-02.99		
1.8	1,8	55/66	AAM; ABS	11.91-02.99	0 986 356 342	B 342
		66	ADZ	10.94-02.99	0 986 356 339	B 339
2.0	2,0	85	ADY; AGG	10.94-02.99	0 986 356 339	B 339
			AKR	04.97-04.98	0 986 356 339	B 339
				05.97-02.99		
			2E	11.91-12.94	0 986 356 342	B 342
				11.92-12.96	0 986 356 342	B 342
2.8	2,8	120	AAA	07.94-12.97	0 986 356 301	B 301
		128	AAA	01.92-12.97	0 986 356 384	B 384
2.9	2,9	140	ABV	01.94-12.97	0 986 356 301	B 301
Golf IV						
1.4	1,4	55	AHW; AKQ; APE; AXP	10.97-05.04	0 986 356 308	B 308
1.6	1,6	74	AEH	10.97-12.05	0 986 356 359	B 359
			AFT	04.98-10.00		
			AKL	10.97-12.05	0 986 356 359	B 359
			AKS	04.98-10.00		
			APF	05.99-08.00	0 986 356 359	B 359
		75	AVU	09.00-05.04	0 986 356 346	B 346
			BFQ	05.02-02.07	0 986 356 346	B 346
		77	ATN; AUS	11.99-10.00	0 986 356 308	B 308
			AZD	09.00-11.01	0 986 356 308	B 308
1.8	1,8	55	AAM	04.98-10.00	0 986 356 342	B 342
			ANN	04.98-10.00	0 986 356 342	B 342
		66	ADZ	04.98-10.00	0 986 356 339	B 339
			ANP	04.98-10.00	0 986 356 339	B 339
		92	AGN	10.97-10.00	0 986 356 337	B 337
2.0	2,0	85	AGG; AKR	04.98-12.01	0 986 356 339	B 339
			APK	08.98-05.04	0 986 356 359	B 359
				WW	0 986 356 331	B 331



1	2	3	4	5	6	7	8
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724				
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 904 068
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883				0 356 904 068
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729				
							0 356 904 068
0 986 357 735	0 986 357 733	0 986 357 730	0 986 357 729				
0 986 357 735	0 986 357 733	0 986 357 730	0 986 357 729				
							Corrado
0 986 357 717	0 986 357 716	0 986 357 716	0 986 357 715	0 986 357 715	0 986 357 714		0 356 904 068
							Fox
1 354 464 620	1 354 464 621	1 354 464 622	1 354 464 623				
1 354 464 620	1 354 464 621	1 354 464 622	1 354 464 623				
1 354 464 620	1 354 464 621	1 354 464 622	1 354 464 623				
							Golf I
1 354 464 620	1 354 464 621	1 354 464 622	1 354 464 623				
1 354 464 620	1 354 464 621	1 354 464 622	1 354 464 623				
1 354 464 620	1 354 464 621	1 354 464 622	1 354 464 623				
1 354 464 620	1 354 464 621	1 354 464 622	1 354 464 623				
1 354 464 620	1 354 464 621	1 354 464 622	1 354 464 623				
							Golf III
0 356 912 886	0 356 912 886	0 356 912 987	0 356 912 987				0 356 904 062
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 904 068
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 904 068
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 904 068
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 912 993
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 904 068
							0 356 904 062
							0 356 904 068
							0 356 912 993
							0 356 912 993
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944				0 356 904 062
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 885				
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 885				
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 885				
							0 356 904 068
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944				0 356 904 062
0 356 912 888	1 354 464 621	1 354 464 622	1 354 464 623				0 356 904 062
1 354 464 620	0 356 912 987	1 354 464 622	1 354 464 623				0 356 904 062
	1 354 464 621	0 356 912 944	1 354 464 623				0 356 904 062
		1 354 464 622	0 356 912 944				0 356 904 062
			1 354 464 623				0 356 904 062
0 986 357 717	0 986 357 716	0 986 357 716	0 986 357 715	0 986 357 715	0 986 357 714		0 356 904 068
0 986 357 717	0 986 357 716	0 986 357 716	0 986 357 715	0 986 357 715	0 986 357 714		
0 986 357 717	0 986 357 716	0 986 357 716	0 986 357 715	0 986 357 715	0 986 357 714		0 356 904 068
							Golf IV
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724				
							0 356 904 062
							0 356 904 062
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729				
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729				
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724				
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724				
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944				0 356 904 062
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944				0 356 904 062
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 885				0 356 904 068
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 885				
	0 986 357 727	0 986 357 727	0 986 357 727				
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 885				0 356 904 068
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729				



							
VW							
2.0	2,0	85	AQY	08.98-04.01	0 986 356 359	B 359	
				05.01-05.04	0 986 356 331	B 331	
			ATU; AWF; AWG	06.99-06.02			
			AZG	05.01-04.02	0 986 356 345	B 345	
			AZH	04.00-04.01	0 986 356 359	B 359	
				05.01-06.01	0 986 356 331	B 331	
			AZJ <MR4>; BEH	05.01-06.05	0 986 356 345	B 345	
2.3	2,3	110	AGZ	10.97-02.01	0 986 356 318	B 318	
2.8	2,8	150	AQP; AUE	05.99-04.01	0 986 356 348	B 348	
Golf IV Variant							
1.4	1,4	55	AHW; AKQ; APE; AXP	05.99-06.06	0 986 356 308	B 308	
1.6	1,6	74	AEH; AKL; APF	05.99-06.06	0 986 356 359	B 359	
		75	AVU	09.00-06.06	0 986 356 346	B 346	
			BFQ	05.02-06.06	0 986 356 346	B 346	
		77	ATN; AUS	05.99-10.00	0 986 356 308	B 308	
			AZD	09.00-11.01	0 986 356 308	B 308	
1.8	1,8	92	AGN	05.99-07.00	0 986 356 337	B 337	
2.0	2,0	85	APK; AQY; AZH	05.99-04.01	0 986 356 359	B 359	
				05.01-06.06	0 986 356 331	B 331	
			AZJ <MR4>; BEH	05.01-06.06	0 986 356 345	B 345	
2.3	2,3	110	AGZ	05.99-02.01	0 986 356 318	B 318	
2.8	2,8	150	AQP; AUE	05.99-04.01	0 986 356 348	B 348	
Golf Plus							
1.6	1,6	72-75	BSE <MW6>; BSF <MW6>; CCSA <MW6>; CHGA <DF2>; CMXA <MW6>	05.05-02.14	0 986 356 346	B 346	
Golf V							
1.6	1,6	75	BGU; BSE <MW6>; BSF <MW6>	01.04-11.08	0 986 356 346	B 346	
Golf VI							
1.6	1,6	72-75	BSE <MW6>; BSF <MW6>; CCSA <MW6>; CHGA <DF2>; CMXA <MW6>	10.08-04.13	0 986 356 346	B 346	
Jetta							
1.6	1,6	53	ABX	05.91-01.98	0 986 AM0 101		
		74	AHP	05.98-01.02	0 986 AM0 102		
			AKL	09.99-12.05	0 986 356 359	B 359	
		75	BGU; BSE <MW6>; BSF <MW6>; CCSA <MW6>	10.05→	0 986 356 346	B 346	
2.0	2,0	85	APK	09.99-12.05	0 986 356 359	B 359	
			CBPA <ML5>	06.10-07.14	0 986 356 331	B 331	
Lupo							
1.0	1,0	37	AER	10.98-05.00	0 986 356 360	B 360	
			AHT	10.98-05.00			
			ALD	10.98-07.05	0 986 356 341	B 341	
			ALL	10.98-05.00	0 986 356 360	B 360	
			ANV	10.98-05.00	0 986 356 341	B 341	
			AUC	05.00-07.05	0 986 356 312	B 312	
1.4	1,4	44	AUD	09.00-07.05	0 986 356 312	B 312	
		55	BBY	11.01-07.05			
		55/74	AFK; AHW; AKQ; APE; AQQ; AUA	10.98-05.04	0 986 356 308	B 308	
		74	AUB	05.00-07.05	0 986 356 308	B 308	
1.6	1,6	92	AVY	05.00-07.05	0 986 356 308	B 308	
New Beetle							
1.6	1,6	74	AWH	10.99-10.00	0 986 356 359	B 359	
		75	AYD; BFS <MW6>	06.00-12.10	0 986 356 346	B 346	
2.0	2,0	85	AEG; APK; AQY	01.98-06.05	0 986 356 359	B 359	
			AVH; AZG; AZJ <MR4>; BDC; BEJ	08.00-09.10	0 986 356 345	B 345	
			BER	01.03-06.07	0 986 356 331	B 331	
			BEV <ML5>; BGD	01.03-10.10	0 986 356 345	B 345	
			BHP; CBPA <ML5>	07.03-09.10	0 986 356 331	B 331	
Passat [3B]							
1.6	1,6	74	ADP	10.96-11.00	0 986 356 304	B 304	
			AHL				
			Fg.-Nr. →3B..Y..400 000	10.96-04.00	0 986 356 359	B 359	
			Fg.-Nr. 3B..Y..400 001→	05.00-11.00	0 986 356 359	B 359	
			ANA				
			Fg.-Nr. →3B..Y..400 000	07.99-04.00	0 986 356 359	B 359	
			Fg.-Nr. 3B..Y..400 001→	05.00-11.00	0 986 356 359	B 359	



1	2	3	4	5	6	7	8
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729				
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729				
							0 356 904 062
0 986 357 735	0 986 357 733	0 986 357 730	0 986 357 729				
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729				
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729				
0 986 357 735	0 986 357 733	0 986 357 730	0 986 357 729				
0 986 357 735	0 986 357 735	0 986 357 734	0 986 357 734	0 986 357 732			
Golf IV Variant							
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724				
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729				
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729				
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724				
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724				
	0 986 357 727	0 986 357 727	0 986 357 727				
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729				
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729				
0 986 357 735	0 986 357 733	0 986 357 730	0 986 357 729				
0 986 357 735	0 986 357 735	0 986 357 734	0 986 357 734	0 986 357 732			
Golf Plus							
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729				
Golf V							
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729				
Golf VI							
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729				
Jetta							
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729				
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729				
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729				
Lupo							
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 904 068
							0 356 904 070
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732				
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 904 068
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732				0 356 904 070
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732				
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732				
							0 356 904 070
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724				0 356 904 070
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724				
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724				0 356 904 070
New Beetle							
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729				
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729				
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729				
0 986 357 735	0 986 357 733	0 986 357 730	0 986 357 729				
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729				
0 986 357 735	0 986 357 733	0 986 357 730	0 986 357 729				
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729				
Passat [3B]							



							
l/cdm		kW		Typ		SET	

◀ VW

1.6	1,6	74	ARM			
			Fg.-Nr. →3B..Y..400 000	01.99-04.00	0 986 356 359	B 359
			Fg.-Nr. 3B..Y..400 001→	05.00-11.00	0 986 356 359	B 359
		75	ALZ	10.00-05.05	0 986 356 359	B 359
2.0	2,0	85	AZM	10.00-05.05		
2.3	2,3	110	AGZ	06.97-11.00	0 986 356 349	B 349
			Fg.-Nr. →3B..W..222 092	10.96-10.97	0 986 356 318	B 318
			Fg.-Nr. 3B..W..222 093→	11.97-11.00	0 986 356 349	B 349
2.8	2,8	132/140/142	ACK; AGE; ALG; AMX; APR; AQD; ATQ; BBG	01.97-05.05	0 986 356 321	B 321
Passat [3C]						
1.6	1,6	75	BSE <MW6>; BSF <MW6>	03.05-11.10	0 986 356 346	B 346
Passat [35I/3A]						
1.6	1,6	74	AEK	10.94-12.95		
			AFT	12.95-03.97		
1.8	1,8	55	AAM	08.90-03.97	0 986 356 338	B 338
			66	ABS	08.91-09.94	0 986 356 342
		118	ADZ	10.94-03.97		
			PG	09.89-08.94	0 986 356 338	B 338
2.0	2,0	85	9A	08.93-09.94		
			ADY	10.94-07.95		
		AGG	07.95-03.97			
					0 986 356 339	B 339
			2E	03.90-09.94	0 986 356 342	B 342
2.8	2,8	128	AAA	06.91-03.97	0 986 356 384	B 384
2.9	2,9	135	ABV	01.94-03.97	0 986 356 301	B 301
Polo						
2.0	2,0	85	BBX	07.03-05.07	0 986 356 331	B 331
				10.04→	0 986 356 359	B 359
Polo [6N1/6N2]						
1.0	1,0	33	AEV	10.94-12.99	0 986 356 357	B 357
		37	AER			
			Fg.-Nr. 6N-W-000 001→	03.96-12.99	0 986 356 343	B 343
			ALD			
			Fg.-Nr. →6N-Y-050 000	07.98-09.01	0 986 356 341	B 341
			Fg.-Nr. 6N-Y-050 001→	07.98-09.01	0 986 356 312	B 312
			ALL			
			Fg.-Nr. 6N-W-000 001→	05.97-12.99	0 986 356 343	B 343
AUC						
		Fg.-Nr. 6N-Y-050 001→	10.99-09.01	0 986 356 312	B 312	
1.3	1,3	40	ADX	10.94-07.95	0 986 356 357	B 357
				07.96-12.99		
1.4	1,4	40	AKP			
			Fg.-Nr. →6N-Y-050 000	09.98-09.01	0 986 356 341	B 341
			Fg.-Nr. 6N-Y-050 001→	09.98-09.01	0 986 356 312	B 312
		40-44	AEX			
			Fg.-Nr. 6N-W-000 001→	07.95-12.99	0 986 356 343	B 343
		44	AKK			
			Fg.-Nr. →6N-Y-050 000	09.98-09.01	0 986 356 341	B 341
			Fg.-Nr. 6N-Y-050 001→	09.98-09.01	0 986 356 312	B 312
			AKV; ANX			
			Fg.-Nr. 6N-W-000 001→	05.97-12.99	0 986 356 343	B 343
			APQ			
			Fg.-Nr. 6N-W-000 001→	11.97-12.99	0 986 356 343	B 343
			AUD			
			Fg.-Nr. 6N-Y-050 001→	10.99-09.01	0 986 356 312	B 312
		55	APE	05.00-12.00	0 986 356 308	B 308
		55/74	AFK; AHW	09.98-09.01	0 986 356 308	B 308
AUA; AUB	10.99-09.01		0 986 356 308	B 308		
74	AFH	04.96-12.99	0 986 356 309	B 309		
1.6	1,6	55	AEA	10.94-07.95	0 986 356 357	B 357
			AEE; AHS			
			Fg.-Nr. 6N-W-000 001→	07.95-12.99	0 986 356 343	B 343
		88/92	AJV; ARC; AVY	04.98-09.01	0 986 356 308	B 308





1	2	3	4	5	6	7	8
0 986 357 733	0 986 357 733	0 986 357 731	0 986 357 729				
0 986 357 735	0 986 357 735	0 986 357 734	0 986 357 734	0 986 357 732			
Passat [3C]							
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729				
Passat [35I/3A]							
							0 356 904 068
							0 356 904 062
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883				0 356 904 068
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944				0 356 904 062
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 943				
0 356 912 943	0 356 912 885	0 356 912 884	0 356 912 883				0 356 904 068
							0 356 912 993
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 943				
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 885				0 356 904 062
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 885				
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944				0 356 904 062
0 986 357 717	0 986 357 716	0 986 357 716	0 986 357 715	0 986 357 715	0 986 357 714		
0 986 357 717	0 986 357 716	0 986 357 716	0 986 357 715	0 986 357 715	0 986 357 714		0 356 904 068
Polo							
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729				
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729				
Polo [6N1/6N2]							
0 356 912 944	0 356 912 987	0 356 912 888	0 356 912 887				0 356 904 068
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 912 993
0 986 357 736	0 986 357 730	0 986 357 729	0 986 357 731				
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732				
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 912 993
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732				
0 356 912 944	0 356 912 987	0 356 912 888	0 356 912 887				0 356 904 068
0 356 912 987	0 356 912 888	0 356 912 888	0 356 912 887				
0 986 357 736	0 986 357 730	0 986 357 729	0 986 357 731				
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732				
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 912 993
0 986 357 736	0 986 357 730	0 986 357 729	0 986 357 731				
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732				
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 912 993
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 912 993
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732				
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724				
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724				
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724				
0 356 912 944	0 356 912 987	0 356 912 888	0 356 912 887				0 356 904 068
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944				0 356 912 993
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724				



							
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Polo [6V2/6V5]							
1.4	1,4	44	AEX	05.96-12.97	0 986 356 343	B 343	
			AKK	10.99-09.01	0 986 356 312	B 312	
			AKV	12.97-08.99	0 986 356 343	B 343	
			ANW	10.99-08.00	0 986 356 312	B 312	
			ANX	01.98-08.99	0 986 356 343	B 343	
			APQ	12.97-08.99	0 986 356 343	B 343	
			AUD	06.00-09.01	0 986 356 312	B 312	
			55	APE	10.99-06.00	0 986 356 308	B 308
			AUA	06.00-09.01	0 986 356 308	B 308	
1.6	1,6	55	AEE	04.97-12.98	0 986 356 343	B 343	
			ALM	07.98-09.01	0 986 356 343	B 343	
		74	AEH	10.99-09.01	0 986 356 359	B 359	
			AFT	12.95-08.99			
				GS			
		AKL	10.99-09.01	0 986 356 359	B 359		
		APF; AUR	03.00-09.01	0 986 356 331	B 331		
Polo [9N1/9N2/9N3]							
1.4	1,4	55	AUA	09.01-01.02	0 986 356 308	B 308	
2.0	2,0	85	BBX	06.05→	0 986 356 359	B 359	
Polo [80/86/87]							
1.0	1,0	33	AAU	10.90-09.94	0 986 356 369	B 369	
1.3	1,3	40/56-59/85	AAV; PY; 2G; 3F	10.90-09.94	0 986 356 369	B 369	
Santana							
1.6	1,6	64	AYF	12.00-02.07			
1.8	1,8	66	JV	05.85-12.98			
Santana 2000							
1.8	1,8	66/72	AFE; JV	01.95-12.99			
Santana 3000							
1.8	1,8	74	AYJ	01.04-10.05	0 986 356 359	B 359	
Sharan							
2.0	2,0	85	ADY	09.95-02.00	0 986 356 350	B 350	
			ATM	05.00-03.10	0 986 356 331	B 331	
2.8	2,8	128	AAA	09.95-02.00	0 986 356 384	B 384	
Touran							
1.6	1,6	75	BGU; BSE <MW6>; BSF <MW6>	07.03-05.10	0 986 356 346	B 346	
2.0	2,0	80	BSX <D7R>	02.06-05.10	0 986 356 345	B 345	
T4 (Bus,Transporter)							
2.0	2,0	62	AAC				
			Fg.-Nr. 70..N..180 001→	08.92-06.03			
2.5	2,5	81	ACU; AEN	01.94-10.96	0 986 356 371	B 371	
			AEU	08.96-06.03	0 986 356 340	B 340	
		85	AET	05.96-06.03	0 986 356 371	B 371	
				08.96-06.03	0 986 356 340	B 340	
2.8	2,8	103/150	AES; AMV	01.96-06.03	0 986 356 347	B 347	
T5 (Bus,Transporter)							
2.0	2,0	85	AXA <MOR>	06.03-11.09	0 986 356 331	B 331	
				09.09→	0 986 356 359	B 359	
Vento							
1.4	1,4	44	ABD	11.91-07.95	0 986 356 342	B 342	
			AEX	07.95-12.97	0 986 356 360	B 360	
1.6	1,6	55	ABU	09.92-09.94	0 986 356 342	B 342	
			AEA	10.94-07.95	0 986 356 357	B 357	
			AEE	07.95-12.97	0 986 356 360	B 360	
		74	AFT; AKS	12.95-12.97			
			1.8	1,8	55/66	AAM; ABS	11.91-12.97
66	ADZ	10.94-12.97			0 986 356 339	B 339	
2.0	2,0	85	ADY; AGG; AKR	10.94-12.97	0 986 356 339	B 339	
			2E	11.91-09.94	0 986 356 342	B 342	
2.8	2,8	120	AAA	07.94-12.97	0 986 356 301	B 301	
		128	AAA	01.92-12.97	0 986 356 384	B 384	





1	2	3	4	5	6	7	8	
								Polo [6V2/6V5]
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732					
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732					
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 986 357 736	0 986 357 734	0 986 357 732	0 986 357 732					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 912 993
								0 356 904 062
								0 356 904 068
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
								Polo [9N1/9N2/9N3]
0 986 357 726	0 986 357 726	0 986 357 725	0 986 357 724					
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
								Polo [80/86/87]
0 356 912 987	0 356 912 888	0 356 912 888	0 356 912 887					
0 356 912 987	0 356 912 888	0 356 912 888	0 356 912 887					
								Santana
1 354 464 620	1 354 464 621	1 354 464 622	1 354 464 623					
1 354 464 620	1 354 464 621	1 354 464 622	1 354 464 623					
								Santana 2000
1 354 464 620	1 354 464 621	1 354 464 622	1 354 464 623					
								Santana 3000
								Sharan
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
0 986 357 717	0 986 357 716	0 986 357 716	0 986 357 715	0 986 357 715	0 986 357 714			
								Touran
0 986 357 732	0 986 357 732	0 986 357 730	0 986 357 729					
0 986 357 735	0 986 357 733	0 986 357 730	0 986 357 729					
								T4 (Bus,Transporter)
0 356 912 883	0 356 912 883	0 356 912 883	0 356 912 883					0 356 904 061
0 356 912 886	0 356 912 886	0 356 912 886	0 356 912 987	0 356 912 987				
0 356 912 987	0 356 912 888	0 356 912 887	0 356 912 886	0 356 912 886				0 356 904 070
0 356 912 886	0 356 912 886	0 356 912 886	0 356 912 987	0 356 912 987				
0 356 912 987	0 356 912 888	0 356 912 887	0 356 912 886	0 356 912 886				0 356 904 070
0 986 357 738	0 986 357 737	0 986 357 738	0 986 357 734	0 986 357 737	0 986 357 731			
								T5 (Bus,Transporter)
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
0 986 357 733	0 986 357 732	0 986 357 731	0 986 357 729					
								Vento
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944					0 356 904 062
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 904 068
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944					0 356 904 062
0 356 912 944	0 356 912 987	0 356 912 888	0 356 912 887					0 356 904 068
0 356 912 887	0 356 912 888	0 356 912 987	0 356 912 944					0 356 904 068
								0 356 912 993
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944					0 356 904 062
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 885					
0 356 912 883	0 356 912 884	0 356 912 885	0 356 912 885					
0 356 912 888	0 356 912 987	0 356 912 944	0 356 912 944					0 356 904 062
0 986 357 717	0 986 357 716	0 986 357 716	0 986 357 715	0 986 357 715	0 986 357 714			0 356 904 068
0 986 357 717	0 986 357 716	0 986 357 716	0 986 357 715	0 986 357 715	0 986 357 714			



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