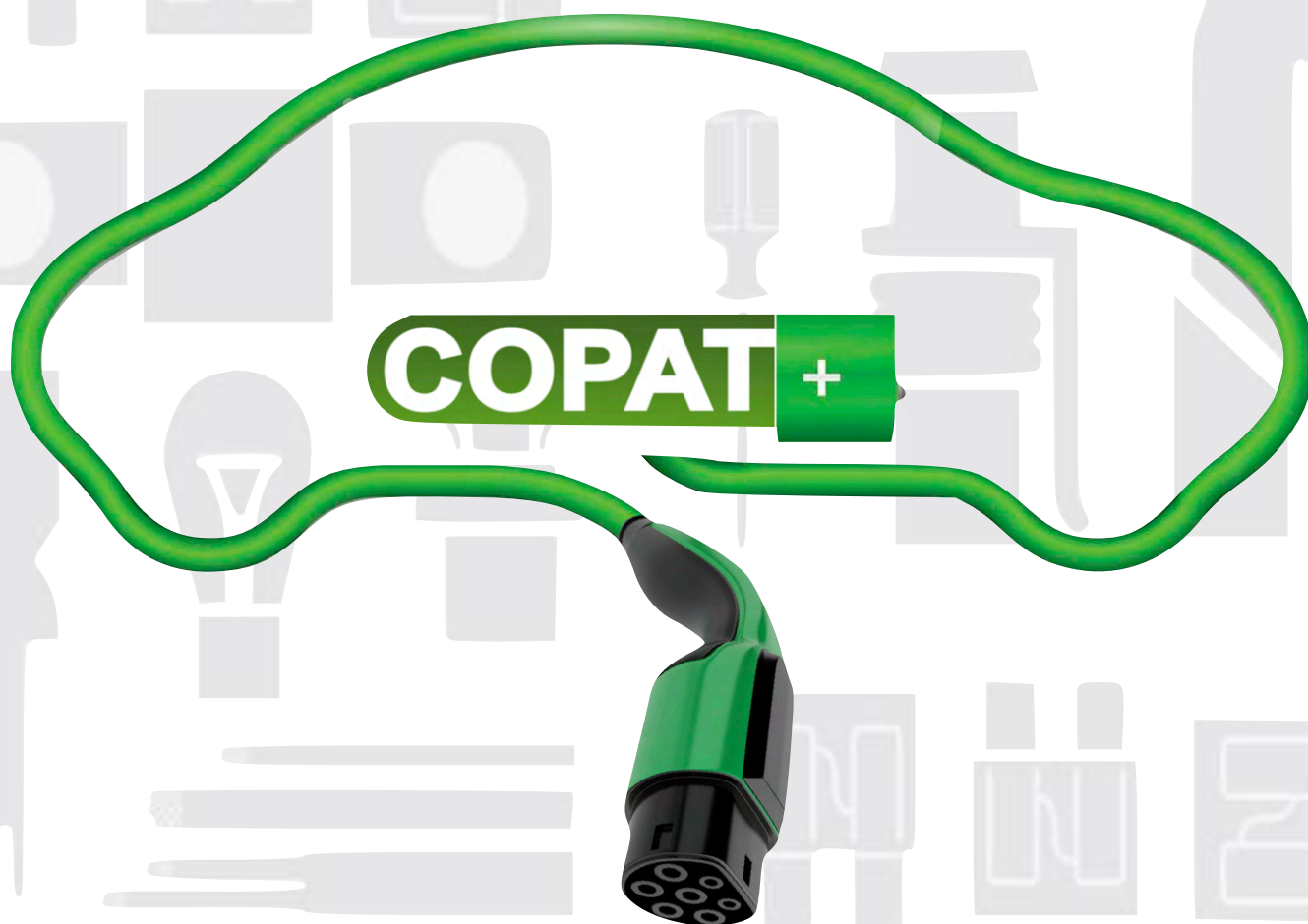


COPAT

Automotive Electric Professional Service



edition 2022



Wants to satisfy customer's requirement: the industrial packing are converted in a single units and they are handed out in the copat kit

AUTOMOTIVE CONNECTORS

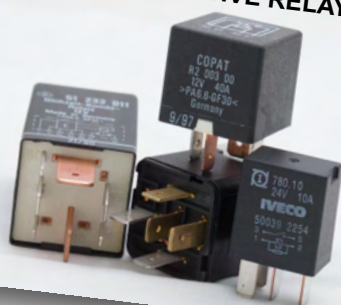


In a result of the requirement of making motor cables with a reduced insulator for the after market, for the specification of the most motor industries, whereas brand

AUTOMOTIVE FUSES



AUTOMOTIVE RELAYS



CABLE-BRIDLE PREASSEMBLED FOR HARNESS MAINTENANCE



TRUMPETS AND HORN



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Automotive **special tools**

Has created a range of tools suitable for the wiring's upkeep





Section 1



Preinsulated and power contacts

Section n °1

Preinsulated and power contacts

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PREINSULATED FASTON	1.6
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Section n°1 - Preinsulated and power contacts

RING TONGUES AND PREINSULED SPADES

APPLICATION: various - ground applications.



1.1 Ring Tongues Red

Code	Wire Size Range (mm ²)	Color	Raw Material	Screw Hole	Width	Height	Depth	Hand Tool
34145	0,35 - 1,50	red	Cu Sn	4,3	7,1	0,8	20,5	9007
130014	0,35 - 1,50	red	Cu Sn	5,2	8	0,8	21	9007
130054	0,35 - 1,50	red	Cu Sn	6,3	12	1	27	9007
34151	0,35 - 1,50	red	Cu Sn	8,3	12	0,8	27,7	9007



1.2 Spades Red

Code	Wire Size Range (mm ²)	Color	Raw Material	Screw Hole	Width	Height	Depth	Hand Tool
165008	0,35 - 1,50	red	Cu Sn	4,3	7,1	0,8	19,8	9007



1.3 Ring Tongues Blue

Code	Wire Size Range (mm ²)	Color	Raw Material	Screw Hole	Width	Height	Depth	Hand Tool
34160	1,00 - 2,50	blue	Cu Sn	4,3	8,7	0,8	22,1	9007
130102	1,00 - 2,50	blue	Cu Sn	5,2	8,7	0,8	21,4	9007
130126	1,00 - 2,50	blue	Cu Sn	6,3	12	0,8	27,3	9007
34163	1,00 - 2,50	blue	Cu Sn	8,3	12	0,8	27,7	9007



1.4 Spades Blue

Code	Wire Size Range (mm ²)	Color	Raw Material	Screw Hole	Width	Height	Depth	Hand Tool
165012/1	1,00 - 2,50	blue	Cu Sn	4,3	6,4	0,8	0,8	9007



1.5 Ring Tongues Yellow

Code	Wire Size Range (mm ²)	Color	Raw Material	Screw Hole	Width	Height	Depth	Hand Tool
34853	4,00 - 6,00	yellow	Cu Sn	4,3	9,5	1	27,5	9007
160292	4,00 - 6,00	yellow	Cu Sn	5,2	9,5	1	27,4	9007
160294	4,00 - 6,00	yellow	Cu Sn	6,3	13,5	1	33,7	9007
34856	4,00 - 6,00	yellow	Cu Sn	8,3	12,7	1	30,1	9007
130677	4,00 - 6,00	yellow	Cu Sn	10,2	15,1	1	36	9007

PREINSULATED FASTON



1.6 Preinsulated Contacts Red

Code	Wire Size Range (mm ²)	Color	Raw Material	Contact Size	Height	Depth	Hand Tool
9424	0,25 - 1,50	red	Cu Sn	6,3x0,8	7,6	22,2	9007

! produced on request

Section n°1 - Preinsulated and power contacts



1.7 Preinsulated Contacts Blue

Code	Wire Size Range (mm2)	Color	Raw Material	Contact Size	Height	Depth	Hand Tool
9451	1,00 - 2,50	blue	Cu Sn	2,8x0,5	3,7	15,6	9007
9452	1,00 - 2,50	blue	Cu Sn	4,8x0,8	5,6	21,9	9007
9425	1,00 - 2,50	blue	Cu Sn	6,3x0,8	7,6	23,2	9007



1.8 Preinsulated Faston Yellow

Code	Wire Size Range (mm2)	Color	Raw Material	Contact Size	Height	Depth	Hand Tool
9426	4,00 - 6,00	yellow	Cu Sn	6,3x0,8	2,6	27,2	9007



1.9 Fully Insulated Receptacle

Code	Wire Size Range (mm2)	Color	Raw Material	Contact Size	Hand Tool
9455	0,25 - 1,50	red	Cu Sn	2,8x0,5	9007
9456	0,25 - 1,50	red	Cu Sn	4,8x0,8	9007
9457	0,25 - 1,50	red	Cu Sn	6,3x0,8	9007
9458	1,00 - 2,50	blue	Cu Sn	4,8x0,8	9007
9459	1,00 - 2,50	blue	Cu Sn	6,3x0,8	9007
9460	4,00 - 6,00	yellow	Cu Sn	6,3x0,8	9007



1.10 Preinsulated Tab

Code	Wire Size Range (mm2)	Color	Raw Material	Height	Depth	Hand Tool
9427	0,50 - 1,50	red	Cu Sn	6,3	23,5	9007
9428	1,00 - 2,50	blue	Cu Sn	6,3	23,5	9007
9429	4,00 - 6,00	yellow	Cu Sn	6,3	28	9007



1.11 Receptacle and Tab Combination

Code	Wire Size Range (mm2)	Color	Raw Material	Height	Depth	Hand Tool
9430	1,00 - 2,50	blue	Cu Sn	7,6	23,5	9007

Reinforced version only request



1.12 Preinsulated Circular Receptacle

Code	Wire Size Range (mm2)	Color	Raw Material	Diameter	Hand Tool
9436	0,50 - 1,50	red	Cu Sn	4	9007
9434	1,00 - 2,50	blue	Cu Sn	4	9007



1.13 Preinsulated Circular Pin

Code	Wire Size Range (mm2)	Color	Raw Material	Diameter	Hand Tool
9432	0,50 - 1,50	red	Cu Sn	4	9007
9431	1,00 - 2,50	blue	Cu Sn	4	9007

Section nº1 - Preinsulated and power contacts



1.14 Preinsulated Tab

Code	Wire Size Range (mm2)	Color	Raw Material	Height	Hand Tool
181630	0,50 - 1,50	red	Cu Sn	8,1	9007
165167/1	0,50 - 1,50	red	Cu Sn	12,3	9007
165171/2	1,00 - 2,50	blue	Cu Sn	12,3	9007
165085/1	4,00 - 6,00	yellow	Cu Sn	12	9007

Section n°1 - Preinsulated and power contacts

SPLICES & HEATSHRINCABLE JUNCTIONS

APPLICATION: wire junction.



1.15 Preinsulated Butt Splices

Code	Wire Size Range (mm2)	Color	Raw Material	Hand Tool
34070	0,50 - 1,50	red	Cu Sn	9007
34071	1,00 - 2,50	blue	Cu Sn	9007
34072	4,00 - 6,00	yellow	Cu Sn	9007



1.16 Heatshrinkable Crimp Junction

FEATURES: IP67 and RHOS compatible

Code	Wire Size Range (mm2)	Color
9006	0,50 - 1,00	red
9008	1,50 - 2,50	blue
9010	4,00 - 6,00	yellow



1.17 Heatshrinkable Head Junction

FEATURES: IP67 and RHOS compatible

Code	Wire Size Range (mm2)	Color
9001	0,25 - 0,75	white
9002	0,35 - 1,50	red
9003	0,75 - 6,00	blue
9004	2,50 - 10,00	yellow



1.18 Heatshrinkable End Junction

FEATURES: IP67 and RHOS compatible

Code	Wire Size Range (mm2)	Color
SGRS-1	0,50 - 1,00	green
SGRS-2	1,00 - 2,00	red
SGRS-3	2,50 - 4,00	blue

Section n°1 - Preinsulated and power contacts

POWER CONTACT SCREW VERSION



1.19 Power Contacts Screw Version

Code	Wire Size Range (mm2)	A
9200	2,5	20
9201	6	30
9202	10	50
9203	16	80

INSULATION DISPLACEMENT DEVICE



1.20 Joining Splice

Code	Wire Size Range (mm2)	Color	Raw Material
735410	0,50 - 1,00	red	nylon + Cu Fe Sn
142538/2	1,00 - 2,00	black	-
735398	1,00 - 2,50	blue	nylon + Cu Fe Sn
735397	4,00 - 6,00	blue	nylon + Cu Fe Sn



1.21 Insulation Displacement Device for ADR 2x1,5 Truck Cable

Code	Color
2150	black

Section n°1 - Preinsulated and power contacts

POWER CONTACTS

APPLICATION:ground junction.



1.22 Ring Tongues Power Contacts Wire Size Range 10 - 95 mmq

Code	Wire Size Range (mm2)	Raw Material	Screw Hole	Hand Tool
181302/2	10	Cu Sn	5,3	3985
181303/2	10	Cu Sn	6,4	3985
181510/2	10	Cu Sn	8,4	3985
181511/2	10	Cu Sn	10,5	3985
181512/2	10	Cu Sn	13,2	3985
181307/2	16	Cu Sn	6,4	3985
181308/2	16	Cu Sn	8,4	3985
181513/2	16	Cu Sn	10,5	3985
181514/2	16	Cu Sn	13,2	3985
181311/2	25	Cu Sn	6,4	3985
181312/2	25	Cu Sn	8,4	3985
181313/2	25	Cu Sn	10,5	3985
181515/2	25	Cu Sn	13,2	3985
181316/2	35	Cu Sn	6,4	9038
181317/2	35	Cu Sn	8,4	9038
181318/2	35	Cu Sn	10,5	9038
181319/2	35	Cu Sn	13,2	9038
181326/2	50	Cu Sn	8,4	9038
181327/2	50	Cu Sn	10,5	9038
181328/2	50	Cu Sn	13,2	9038
181335/2	70	Cu Sn	8,4	9038
181336/2	70	Cu Sn	10,5	9038
181337/2	70	Cu Sn	13,2	9038
181339/2	70	Cu Sn	15	9038
181347/2	95	Cu Sn	10,5	9038
181348/2	95	Cu Sn	13,2	9038
181349/2	95	Cu Sn	15	9038



1.23 Uninsulated Copper Tube Splices Wire Size Range 10 - 95 mmq

Code	Wire Size Range (mm2)	Raw Material	Hand Tool
181459/2	10	Cu Sn	3985
181460/2	16	Cu Sn	3985
181461/2	25	Cu Sn	3985
181462/2	35	Cu Sn	9038
181463/2	50	Cu Sn	9038
181464/2	70	Cu Sn	9038
181465/2	95	Cu Sn	9038

Section n°1 - Preinsulated and power contacts

BATTERY CABLE CONTACTS

APPLICATION: battery connectors.



1.24 Battery Clip for Screw Hole 2xM6 + 1xM8

Code	Raw Material	Screw Hole	Polarisation
19012	tin-plated brass	2xM6 + 1xM8	+
19112	tin-plated brass	2xM6 + 1xM8	-



1.25 Battery Clip Standard

Code	Wire Size Range (mm2)	Raw Material	Polarisation
821002	10 - 50	tin-plated brass	+
821102	10 - 50	tin-plated brass	-



1.26 Battery Clip 90°

Code	Wire Size Range (mm2)	Raw Material	Polarisation	A
800207/1	6 - 70	galvanized brass	-	1250
800207/2	6 - 70	galvanized brass	+	1250



1.27 Battery Clip Fast Locking

Code	Raw Material	Polarisation
800502	tin-plated brass	+
800602	tin-plated brass	-



1.28 Battery Clip for MAN Trucks

Code	Raw Material	Screw Hole	Polarisation
800100/1	tin-plated brass	10	-
800100/2	tin-plated brass	12	+



1.29 Battery Clip Adapter for Japanese Cars

Code	Raw Material	Polarisation
80000	brass	+
80100	brass	-



1.30 Battery Clip Lead Fusion for Alfa Romeo Cars

Code	Wire Size Range (mm2)	Raw Material	Polarisation
800210/1	25 - 50	tin-plated brass	-
800210/2	25 - 50	tin-plated brass	+

Section n°1 - Preinsulated and power contacts



1.31 Battery Clip for IVECO Trucks

Code	Raw Material	Screw Hole	Polarisation
800208/2	tin-plated brass	2xM8 + 1xM12	+



1.32 Battery Clip for Marine Applications

Code	Raw Material	Screw Hole	Polarisation
800209/1	galvanized brass	10	-
800209/2	galvanized brass	10	+



1.33 Battery Clip Negative Version for FCA Cars

Code	Raw Material	Screw Hole	Polarisation
800300/1	tin-plated brass	3xM6	negative



1.34 Battery Clip Positive Version for FCA Cars

Code	Raw Material	Screw Hole	Polarisation
800300/2	tin-plated brass	2xM6 + 1xM8	+

Section n°1 - Preinsulated and power contacts

PLUGS, SOCKETS, ADAPTERS

APPLICATION: connectors for trucks, trailers and camping cars.



1.35 3 Pin Socket

Code	Total Number of Ways	Volt	Raw Material	A	Notes 2
151130	3	6-24	thermoplastic	25	DIN 9680



1.36 3 Pin Plug

Code	Total Number of Ways	Volt	Raw Material	A	Notes 2
251100	3	6-24	thermoplastic	25	DIN 9680



1.37 4 Pin Socket

Code	Total Number of Ways	Volt	Raw Material	A	Notes 2
151035	4	6-24	thermoplastic	25	DIN 72575



1.38 4 Pin Plug

Code	Total Number of Ways	Volt	Raw Material	A	Notes 2
251010	4	6-24	thermoplastic	25	DIN 72575



1.39 7 Pin Socket Plastic Version and Terminal Screw Bond Version

Code	Volt	Raw Material	A	Notes	Notes 2
154733	12	thermoplastic	20	7 ways	ISO 1724



1.40 7 Pin Plug Plastic Version and Terminal Screw Bond Version

Code	Volt	Raw Material	A	Notes	Notes 2
154772	12	thermoplastic	0	7 ways	ISO 1724



1.41 7 Pin Plug Die-Cast Aluminium Version 24V

With protectioncap rubber

Code	Volt	Raw Material	Notes	Notes 2
155713	24	aluminum	7 Male Contacts	ISO 3731
155715	24	aluminum	6 Male Contacts + 1 Female Contact	ISO 1185

Section n°1 - Preinsulated and power contacts



1.42 7 Pin Socket Die-Cast Aluminium Plug Version 24V

Adapter to use with 180451 code

Code	Volt	Raw Material	Notes	Notes 2
155754	24	aluminum	6 Female Contacts + 1 Male Contact	ISO 3731
155776	24	aluminum	7 Female Contacts	ISO 1185



1.43 Repair Pin Socket Kit for ABS/EBS

Easy assembly thanks to color contact identification

Code	Volt	Raw Material	IP	A	Notes	Notes 2
65011	24	thermoplastic	65	20	7 ways	ADR ISO 7638-1



1.44 Repair Pin Plug Kit for ABS/EBS

Easy assembly thanks to color contact identification.

Code	Volt	Raw Material	IP	A	Notes	Notes 2
65111	12	thermoplastic	65	20	7 ways	ADR ISO 7638-1



1.45 Pin Socket Plastic Version with Cope IP67 20A

Code	Volt	Raw Material	A	Notes	Notes 2
2013	12	thermoplastic	20	13 ways	ISO 11446



1.46 Pin Plug Plastic Version Bayonet Lock IP67 20A

Code	Volt	Raw Material	A	Notes	Notes 2
2513	12	thermoplastic	20	13 ways	ISO 11446



1.47 Repair Socket Plug Kit 15 Ways

Connectors with colorated contact for easy assembly.

Code	Volt	Raw Material	IP	A	Notes	Notes 2
65400	24	thermoplastic	65	20	15 ways	ADR ISO 12098



1.48 Repair Pin Plug Kit 15 Ways

Easy assembly thanks to color contact identification

Code	Volt	Raw Material	IP	A	Notes	Notes 2
65500	24	thermoplastic	65	20	15 ways	ADR ISO 12098



1.49 Adapter Pin-Socket Plug from 13 to 7 Ways

Code	Volt	Raw Material	A	Notes
2593	12	thermoplastic	20	from SIDE A 13 Male, to SIDE B 4 Female + 3 Male Adapter
2594	12	thermoplastic	20	from SIDE A 13 Female to SIDE B 4 Male + 3 Female Adapter

Section n°1 - Preinsulated and power contacts

STARTER CONNECTOR

APPLICATION: IVECO heavy trucks, interface with
2 ways original harness.



1.50 Starter Connector Locking Ring Version

Contact crimp and solder version.

Code	Wire Size Range (mm2)	Color
942054	70	black



1.51 2 Pin Socket Panel Mounting

Code	Wire Size Range (mm2)	Color
151314	70	black

NOTE: code topping 382376

CROCODILE CLAMP AND STARTER CONNECTORS

APPLICATION: starter battery.



1.52 Insulated Crocodile Clamp 700A Black

Code	Color	A
800470	black	700



1.53 Insulated Crocodile Clamp 700A Red

Code	Color	A
800471	red	700

Section 2



Standard connectors and contacts

Section n °2

Standard connectors and contacts

RING TONGUES	2.1
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SPADES SERIE CONNECTORS & CONTACTS	2.54
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Section n°2 - Standard connectors and contacts

RING TONGUES



2.1 Ring Tongues Round

Code	Wire Size Range (mm2)	Raw Material	Screw Hole	Hand Tool
5150	0,50 - 1,50	tin-plated brass	4,13	3991
5142	1,00 - 2,50	tin-plated brass	5,2	3987
2674	1,00 - 2,50	tin-plated brass	8,2	3987
5171	1,00 - 2,50	tin-plated brass	6,2	3987
5172	2,50 - 6,00	tin-plated brass	10,2	3987
5165	4,00 - 6,00	tin-plated brass	8,2	3987



2.2 Ring Tongues Square Version

Code	Wire Size Range (mm2)	Raw Material	Screw Hole	Hand Tool
5162	1,00 - 2,50	tin-plated brass	5,2	3987
5161	1,00 - 2,50	tin-plated brass	6,3	3987



2.3 Ring Tongues 90°

Used for connected additional accessories for FIAT Ducato and IVECO Daily and for all vehicles with MIDI and MEGA fuses on the battery clip.

Code	Wire Size Range (mm2)	Raw Material	Screw Hole	Hand Tool
5600	2,50 - 4,00	tin-plated brass	5,2	3987

ROUND CONTACT



2.4 Socket with insulation support

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Hand Tool
5144	5144	1,00 - 2,50	tin-plated brass	3987



2.5 Pin with insulation support

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Hand Tool
5143	140670/0	1,00 - 2,50	tin-plated brass	3987

Section n°2 - Standard connectors and contacts

FASTON RECEPTACLES CONTACTS WITHOUT COUPLING TOOTH

APPLICATION: standard harnesses.



2.6 Receptacle Contact Size 2,8

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
180441/2	180437/2	0,50 - 1,50	tin-plated brass	88074	3991



2.7 Receptacle Contact Size 4,8

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
5151	5/160433/6	0,50 - 1,50	tin-plated brass	88074	3991



2.8 Receptacle Contact Size 6,3

* The code 181903/1 is preformed

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
181904/1	280001/9	1,00 - 2,50	tin-plated brass	88074	3987
181904/3	-	1,00 - 2,50	silver	88074	3987
180367/2	180363/2	4,00 - 6,00	tin-plated brass	88074	3987



2.9 Receptacle Contact Flag Size 6,3

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
180434/1	180464/2	1,00 - 2,50	tin-plated brass	88074	3988



2.10 Receptacle and Tab Contact Size 6,3

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
181637/2	280079/2	1,00 - 2,50	tin-plated brass	88074	3987



2.11 Receptacle Contact Size 9,5

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
181253/2	280223/2	4,00 - 6,00	tin-plated brass	88074	3987

Section n°2 - Standard connectors and contacts

FASTON RECEPTACLE CONTACT WITH COUPLING TOOTH AND ANTI-SLIPS

APPLICATION: standard harnesses.



2.12 Receptacle Contact Size 2,8

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
160367/2	160366/2	0,35 - 0,50	tin-plated brass	88074	3991
3215	160864/2	0,50 - 1,00	tin-plated brass	88074	3991



2.13 Receptacle Contact Size 4,8

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
5168	280919/2	0,50 - 1,50	tin-plated brass	88074	3991



2.14 5 mm Pitch Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
281879/1	282308/1	0,50 - 1,50	tin-plated brass	88074	3991



2.15 Receptacle Contact Size 6,3

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
5199	280095/2	0,35 - 0,75	tin-plated brass	88074	3991
42238/A	42100/2	0,75 - 2,50	tin-plated brass	88074	3987
2/42238/A	42100/2	0,75 - 2,50	tin-plated brass	88074	3987
42238/3	-	0,75 - 2,50	silver	88074	3987
180384/2	180351/2	4,00 - 6,00	tin-plated brass	88074	3987



2.16 Positive Lock Receptacles Contacts 6,3

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
160773/3	160759/3	0,50 - 1,00	tin-plated brass	88074	3991
341001/3	154717/3	2,50 - 4,00	Bz Ph Sn	88070, 88074	3987
737015/2	790319/2	4,00 - 6,00	tin-plated brass	88074	3987



2.17 POSITIVE LOCK 90° Receptacles Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
5149	926790/6	1,00 - 2,50	tin-plated brass	88074	3988



2.18 Receptacle Contact Size 9,5

Code	Industrial Code	Type	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
182490/2	280756/2	big terminal	4,00 - 6,00	tin-plated brass	88074	3987

Section n°2 - Standard connectors and contacts

Code	Industrial Code	Type	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
5166	280755/4	-	6,00 - 10,00	tin-plated brass	88074	-

FASTON TAB

APPLICATION: standard harnesses.



2.19 Tab Contact 4,8

Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
2673	0,50 - 1,50	tin-plated brass	88074	3991



2.20 Tab Contact 6,3 x 0,8 mm with Hole

Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
5141	1,00 - 2,50	tin-plated brass	88074	3987
5141/3	1,00 - 2,50	Cu Fe Ag	88074	3987



2.21 Tab Contact with Retentio size 2,8X0,8

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
5157	160743/4	0,75 - 2,50	Bz Ph Sn	88040, 88074	3987



2.22 Tab Contact with Retentio size 6,3X0,8

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
5200	280096/2	0,35 - 0,50	tin-plated brass	88074	3991
2/42241/A	42098/2	0,75 - 2,50	tin-plated brass	88074	3987
42241/3	-	0,75 - 2,50	Cu Fe Ag	88074	3987
180409/2	180352/2	4,00 - 6,00	tin-plated brass	88074	3987



2.23 Tab Fastin-on Contact Size 9,5X1,2

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
5159	280075/2	4,00 - 6,00	tin-plated brass	88074	3987

Section n°2 - Standard connectors and contacts

FASTIN-FASTON HOUSING

APPLICATION: standard harnesses.



2.24 Insulation Sleeve Slide On from Front for Faston Receptacle

Code	Total Number of Ways	Color	Raw Material	Contact Size
20103	1	white	polyamide	4.8
280232/0	1	white	polyamide	6.3
280232/5	1	black	polyamide	6.3
280311/0	1	white	polyamide	9.5



2.25 Insulation Sleeve Slide On from Back for Faston Receptacle

Code	Total Number of Ways	Color	Raw Material	Contact Size
735052/0	1	white	polyamide	2.8
20102	1	black	polyamide	4.8
2/180930/0	1	white	polyamide	6.3
2/180930/5	1	black	polyamide	6.3



2.26 Insulation Sleeves from Slide On Front for Faston Tab Size 6,3

Code	Total Number of Ways	Color	Raw Material	Contact Size
20104	1	black	nylon 105°	6.3



2.27 POSITIVE LOCK Receptacle Housings

Code	Total Number of Ways	Model	Color	Raw Material
154719/0	1	right standard	black	polyamide
281991/2	1	with inspection	black	polyamide
926291/1	1	flag	black	polyamide



2.28 Flag Insulation Sleeve Slide On from Front

Code	Total Number of Ways	Color	Raw Material	Contact Size
180984/5	1	black	polyamide	6.3



2.29 Receptacle Housing 1Way Size 6,3

Code	Total Number of Ways	Color	Raw Material
180905/0	1	white	nylon 105°

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Section n°2 - Standard connectors and contacts



2.30 Tab Housing 1 Way Size 6,3

Code	Total Number of Ways	Color	Raw Material
180916/0	1	white	nylon 105°



2.31 Receptacle Housing 2 Ways Size 6,3

Code	Total Number of Ways	Color	Raw Material
180923/0	2	white	nylon 105°



2.32 Receptacle Housing 2 Ways Size 6,3

Code	Total Number of Ways	Color	Raw Material
280543/0	2	white	nylon 105°



2.33 Receptacle Housing 2 Ways Size 6,3

Code	Total Number of Ways	Color	Raw Material
180907/0	2	white	nylon 105°



2.34 Tab Housing 2 Ways Size 6,3

Code	Total Number of Ways	Color	Raw Material
180924/0	2	white	nylon 105°



2.35 Tab Housing 2 Ways Size 6,3

Code	Total Number of Ways	Color	Raw Material
280542/0	2	white	nylon 105°



2.36 Tab Housing 2 Ways Size 6,3

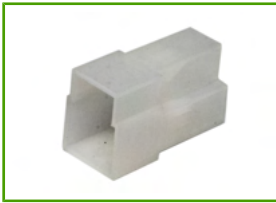
Code	Total Number of Ways	Color	Raw Material
180908/0	2	white	nylon 105°



2.37 Receptacle Housing 3 Ways Size 6,3

Code	Total Number of Ways	Color	Raw Material
180941/0	3	white	nylon 105°

Section n°2 - Standard connectors and contacts



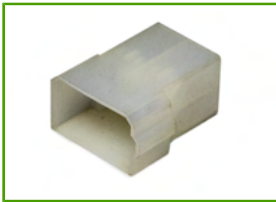
2.38 Tab Housing 3 Ways Size 6,3

Code	Total Number of Ways	Color	Raw Material
180940/0	3	white	nylon 105°



2.39 Receptacle Housing 4 Ways Size 6,3

Code	Total Number of Ways	Color	Raw Material
180900/0	4	white	nylon 105°



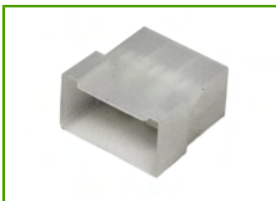
2.40 Tab Housing 4 Ways Size 6,3

Code	Total Number of Ways	Color	Raw Material
180901/0	4	white	nylon 105°



2.41 Receptacle Housing 6 Ways Size 6,3

Code	Total Number of Ways	Color	Raw Material
280314/0	6	white	nylon 105°
180904/0	6	white	nylon 105°



2.42 Tab Housing 6 Ways Size 6,3

Code	Total Number of Ways	Color	Raw Material
180906/0	6	white	nylon 105°



2.43 Circular Connector for Truck-Trailer Interface

Code	Total Number of Ways	Color	Raw Material	Accessory Contacts
180451	7	white	PA 6.6	42238/A



2.44 Receptacle Housing 8 Ways Size 6,3

Code	Total Number of Ways	Color	Raw Material
163007/0	8	white	nylon 105°



2.45 Tab Housing 8 Ways Size 6,3

Code	Total Number of Ways	Type	Color	Raw Material
280099/0	8	A	white	nylon 105°
280430/0	8	B	white	nylon 105°

Section n°2 - Standard connectors and contacts



2.46 Receptacle Housing 11 Ways Size 6,3

Code	Total Number of Ways	Color	Raw Material
280262/5	11	black	nylon 105°



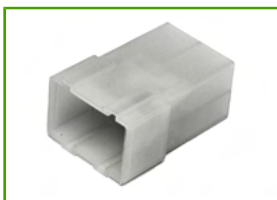
2.47 Tab Housing 11 Ways Size 6,3

Code	Total Number of Ways	Color	Raw Material
280263/5	11	black	nylon 105°



2.48 Receptacle Housing 4 Ways Size 9,5

Code	Total Number of Ways	Color	Raw Material
280073/0	4	white	nylon 105°



2.49 Tab Housing 4 Ways Size 9,5

Code	Total Number of Ways	Color	Raw Material
280072/0	4	white	nylon 105°

Section n°2 - Standard connectors and contacts

UNIVERSAL MATE-N-LOK HOUSINGS & CONTACTS

APPLICATION: standard harnesses.



2.50 Receptable Housing Universal MATE-N-LOK

Code	Total Number of Ways	Kit Code	Color	Raw Material
1/480699	2	6887	white	nylon 105°
1/480701	3	6888	white	nylon 105°
1/480703/0	4	-	white	nylon 105
1/480705	6	6890	white	nylon 105°
1/480707	9	6891	white	nylon 105°
1/480709	12	6892	white	nylon 105°
1/480711	15	-	white	nylon 105°



2.51 Tab Housing Universal MATE-N-LOK

Code	Total Number of Ways	Kit Code	Color	Raw Material
1/480698	2	6893	white	nylon 105°
1/480700	3	6894	white	nylon 105°
1/480702/0	4	-	white	nylon 105
1/480704	6	6896	white	nylon 105°
1/480706	9	6897	white	nylon 105°
1/480708	12	6898	white	nylon 105°
1/480710	15	-	white	nylon 105°



2.52 Universal MATE-N-LOK Female Contact

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Extraction Tool	Hand Tool
350550/1	350536/1	0,50 - 2,00	Cu Fe Sn	87035	3991



2.53 Universal MATE-N-LOK Male Contact

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Extraction Tool	Hand Tool
350547/1	350218/1	0,50 - 2,00	Cu Fe Sn	87035	3991

Section n°2 - Standard connectors and contacts

SPADES SERIE CONNECTORS & CONTACTS

APPLICATION: dashboard and rear lights for old cars generations.



2.54 Dash Board & Rear Lights Receptacle Housing

Code	Total Number of Ways	Kit Code	Model	Color	Raw Material
945095420	4	6763	straight	white	polyamide
945095520	5	6762	straight	white	polyamide
5620	6	6699	straight	white	polyamide



2.55 Receptacle Contact for Dash Board & Rear Light Connectors

Code	Industrial Code	Type	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
1103	94509-0103	right	0,75 - 1,00	Cu Fe Sn	88074	3991

Section 3

Unsealed connectors & contacts

Section n °3

Unsealed connectors & contacts

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MINI FIT SERIES CONNECTORS & CONTACTS	3.22	DUOTWIN SERIES CONNECTORS	3.26
0,70 SERIES CONNECTORS & CONTACTS	3.32	0,70 SERIES CONNECTORS & CONTACTS II GENERATION	3.36
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Section n°3 - Unsealed connectors & contacts

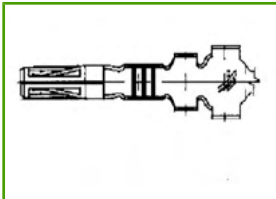
HC3 SERIES CONNECTORS & CONTACTS

APPLICATION: electric engine and electronic devices.



3.1 HC3 Series Receptacle Housing

Code	Total Number of Ways	Industrial Code	Kit Code	Color	Raw Material
9252	5	MHS05023WH00	7071	white	PA 6.6



3.2 HC3 Series Receptacle Contact Diam 1,16 mm

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Extraction Tool	Hand Tool
9248	HC3FBS2PT	0,75 - 1,00	Bz Ph Sn	87025	3991

CP 06 SERIES CONNECTORS & CONTACTS

APPLICATION: loudspeakers and dash board.



3.3 CP 06 Series Receptable Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material
51001EV3M1	3	6683	black	PA 6.6



3.4 CP 06 Series Receptable Contact

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Extraction Tool	Hand Tool
20475	2420399E4201H	0,50 - 0,75	Bz Ph Sn	97046	3995 + 3992

Section n°3 - Unsealed connectors & contacts

CPC SERIES CONNECTORS & CONTACTS

APPLICATION: diagnostics and racing cars.



3.5 CPC Series Receptacle Housing Panel Mounting

Code	Total Number of Ways	Kit Code	Color	Raw Material	Contact Size
182921/1	4	6714	black	polyamide	11
182641/1	14	6715	black	polyamide	17
182920/1	37	6716	black	polyamide	23



3.6 CPC Series Receptacle Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material	Contact Size
182647/1	4	6717	black	polyamide	11
182645/1	9	6718	black	polyamide	13
182642/1	16	6719	black	polyamide	17
182923/1	37	6720	black	polyamide	23



3.7 Cable Clamps for CPC Connectors

Code	Color	Raw Material	Contact Size
182658/1	black	polyamide	11
182663/1	black	polyamide	13
182655/1	black	polyamide	17
182652/1	black	polyamide	23



3.8 CPC Series Tab Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material	Contact Size
182651/1	4	6711	black	polyamide	11
182649/1	14	6712	black	polyamide	17
182926/1	37	6713	black	polyamide	23



3.9 CPC Series Tab Housing Panel Mounting

Code	Total Number of Ways	Kit Code	Color	Raw Material	Contact Size
182917/1	4	6721	black	polyamide	11
182922/1	9	6722	black	polyamide	13
182916/1	16	6723	black	polyamide	17
182918/1	37	6724	black	polyamide	23



3.10 III+ Series Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
163084/1	66100/7	0,75 - 1,50	Cu Fe Sn	0,75 - 1,50	3991



3.11 III+ Series Tab Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
163082/1	66098/7	0,75 - 1,50	Cu Fe Sn	87035	3991

Section n°3 - Unsealed connectors & contacts

MQS SERIES CONNECTORS & CONTACTS

APPLICATION: ABS sensors, anti yaw, headlight control, motorized throttles.



3.12 MQS Receptacle Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material
968705/1	3	6522	black	PA 6.6
1745000/3	8	7059	black	PA 6.6



3.13 MQS Tab Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material
1/968699/1	2	6523	black	PA 6.6



3.14 MQS Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
3230	928999/1	0,25 - 0,50	Cu Fe Sn	25046, 88069	3995 + 3981
144969/2	-	0,25 - 0,50	Au	88069	3995 + 3981
3235	5/963715/1	0,50-0,75	Cu Fe Sn	88069	3995 + 3981

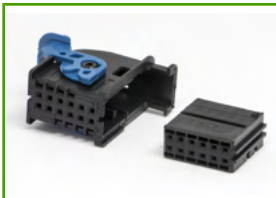


3.15 MQS Tab Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
3400	1/928918/1	0,25 - 0,50	Cu Fe Sn	88069	3995 + 3981

MTS SERIES CONNECTORS & CONTACTS

APPLICATION: info entertainment for FCA cars, LANCIA Y steering column, Bluetooth interface system for FIAT cars.



3.16 MTS Series Receptacle Housing & Cover

Code	Total Number of Ways	Kit Code	Color
13553389	12	6993	black

Section nº3 - Unsealed connectors & contacts



3.17 MTS Receptable Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
3230	928999/1	0,25 - 0,50	Cu Fe Sn	25046, 88069	3995 + 3981

Section n°3 - Unsealed connectors & contacts

0,40 SERIES CONNECTORS & CONTACTS

APPLICATION: dashboard and info entertainment.



3.18 0,40 Series Receptacle Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material
174056/2	2	6472	black	pbt
174966/2	4	6473	black	pbt
174044/2	8	6474	black	pbt



3.19 0,40 Series Tab Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material
174057/2	2	6478	black	pbt
174967/2	4	6479	black	pbt



3.20 Receptable Contacts for 0,40 Series Housings

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
175062/1	173681/1	0,25 - 0,50	tin-plated brass	25046	3991



3.21 Tab Contacts for 0,40 Series Housings

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
175063/1	173682/1	0,25 - 0,50	tin-plated brass	25046	3991

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Section n°3 - Unsealed connectors & contacts

MINI FIT SERIES CONNECTORS & CONTACTS



3.22 Receptacle Housing MINI FIT Series

Code	Total Number of Ways	Industrial Code	Type	Color	Raw Material
3350	2	794954/2	single line	white	UL 94-V2
3424	4	-	single line	white	UL 94-V2
3360	4	794954/4	double row	white	UL 94-V2
3365	5	1586022/5	single line	white	UL 94-V2
3370	6	794954/6	double row	white	UL 94-V2
3375	8	794954/8	double row	white	UL 94-V2
3376	10	1/794954/0	double row	white	UL 94-V2
3377	12	1/794954/2	double row	white	UL 94-V2
3378	14	1/794954/4	double row	white	UL 94-V2
3379	16	1/794954/6	double row	white	UL 94-V2
3382	18	1/794954/8	double row	white	UL 94-V2
3383	20	-	double row	white	UL 94-V2
3384	22	-	double row	white	UL 94-V2
3387	24	-	double row	white	UL 94-V2



3.23 Tab Housing MINI FIT Series

Code	Total Number of Ways	Industrial Code	Type	Color	Raw Material
3390	2	1586000/2	single line	white	UL 94-V2
3391	3	1586103/3	single line	white	UL 94-V2
3392	4	1586000/4	double row	white	UL 94-V2
3425	4	1586024/4	single line	white	UL 94-V2
3393	5	1586024/5	single line	white	UL 94-V2
3394	6	1586000/6	double row	white	UL 94-V2
3395	8	1586000/8	double row	white	UL 94-V2
3420/C	10	1/1586000/0	double row	white	UL 94-V2
3421	12	1/1586000/2	double row	white	UL 94-V2
3426	14	-	double row	white	UL 94-V2
3422	16	-	double row	white	UL 94-V2
3423	18	-	double row	white	UL 94-V2
3427	20	-	double row	white	UL 94-V2
3428	22	-	double row	white	UL 94-V2
3429	24	-	double row	white	UL 94-V2



3.24 MINI FIT Receptacle Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
3381	794956/3	0,25 - 0,75	Bz Ph Sn	94210	3991
3380	794956/1	0,50 - 1,50	Bz Ph Sn	94210	3991



3.25 MINI FIT Tab Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
3385	794955/1	0,50 - 1,50	Bz Ph Sn	132225	3991

Section n°3 - Unsealed connectors & contacts

DUOTWIN SERIES CONNECTORS

APPLICATION: FIAT Ducato junction from body to chassis.



3.26 DUOTWIN Receptacle Housing

Code	Total Number of Ways	Kit Code	Color
17212480	24	6697	grey



3.27 DUOTWIN Tab Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material
17212481	24	6696	grey	pbt



3.28 MQS Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
3230	928999/1	0,25 - 0,50	Cu Fe Sn	25046, 88069	3995 + 3981



3.29 ST Receptacle Contact

Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
60012841	2,50	Bz Ph Sn	88040	3987



3.30 0,64 DUOTWIN Tab Housing

Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
60181031	1,00	Bz Ph Sn	25046	3995 + 3981



3.31 ST Tab Housing

Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
60110641	2,5	Bz Ph Sn	88040	3987

Section n°3 - Unsealed connectors & contacts

0,70 SERIES CONNECTORS & CONTACTS

APPLICATION: electricals & electronics systems for
body and dash-board.



3.32 0,70 Series Receptacle Housing

Code	Total Number of Ways	Kit Code	Type	Color	Raw Material
282365/1	2	6480	single line	white	pbt
282627/1	3	6481	single line	white	pbt
174922/1	4	6482	single line	white	pbt
174923/1	6	6483	single line	white	pbt
! 282441/1	6	6484	double row	white	pbt
! 282366/1	8	6485	double row	white	pbt
! 282367/1	12	6488	double row	white	pbt
173852/1	14	6489	double row	white	pbt
! 282368/1	18	6490	double row	white	pbt
282369/1	20	6491	double row	white	pbt



3.33 0,70 Series Tab Housing

Code	Total Number of Ways	Kit Code	Type	Color	Raw Material
174460/1	2	6492	single line	white	pbt
174928/1	3	6493	single line	white	pbt
174929/1	4	6494	single line	white	pbt
174930/1	6	6495	single line	white	pbt
! 282442/1	6	6496	double row	white	pbt
282370/1	8	6497	double row	white	pbt
! 174934/1	14	6499	double row	white	pbt
! 282372/1	18	6500	double row	white	pbt
174936/1	20	6501	double row	white	pbt



3.34 0,70 Series Receptacle Contacts

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Extraction Tool	Hand Tool
175026/1	282374/1	0,35 - 0,50	Cu Fe Sn	22006	3991
175027/1	282375/1	1,00 - 1,50	Cu Fe Sn	22006	3991



3.35 0,70 Series Tab Contacts

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Extraction Tool	Hand Tool
175029/1	282377/1	0,35 - 0,50	Cu Fe Sn	22006	3991
175030/1	282378/1	1,00 - 1,50	Cu Fe Sn	22006	3991

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Section n°3 - Unsealed connectors & contacts

0,70 SERIES CONNECTORS & CONTACTS II GENERATION

APPLICATION: electricals & electronics systems
light device.



3.36 0,70 II Generation Receptacle Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material
282990/2	12	6533	black	PA 6.6
282990/3	12	6535	blue	PA 6.6
282990/4	12	6537	grey	PA 6.6
282991/4	20	6542	grey	PA 6.6
! 282991/2	20	6539	black	PA 6.6
! 282991/3	20	6541	blue	PA 6.6



3.37 0,70 II Generation Tab Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material
! 282993/4	12	6538	grey	PA 6.6
282992/4	6	6536	grey	PA 6.6
282992/2	6	6532	black	PA 6.6
282992/3	6	6534	blue	PA 6.6
282994/3	20	6540	blue	PA 6.6



3.38 0,70 II Generation Receptacle Contacts

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Extraction Tool	Hand Tool
3250	284088/2	0,75 - 1,50	Cu Fe Sn	22006	3991



3.39 0,70 II Generation Tab Contacts

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Extraction Tool	Hand Tool
3275	284107/1	0,75 - 1,50	Cu Fe Sn	22006	3991

Section n°3 - Unsealed connectors & contacts

MIC SERIES CONNECTORS & CONTACTS

APPLICATION: body trucks harnesses.



3.40 MIC Receptacle Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material
172494/1	5	6458	white	nylon 105°
172495/1	7	6459	white	nylon 105°
172496/1	9	6460	white	nylon 105°
172497/1	11	6461	white	nylon 105°
172498/1	13	6462	white	nylon 105°
172500/1	17	6463	white	nylon 105°
172501/1	21	6464	white	nylon 105°



3.41 MIC Tab Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material
172504/1	5	6465	white	nylon 105°
172505/1	7	6466	white	nylon 105°
172506/1	9	6467	white	nylon 105°
172507/1	11	6468	white	12268080
172508/1	13	6469	white	nylon 105°
172509/1	17	6470	white	nylon 105°
172510/1	21	6471	white	nylon 105°



3.42 MIC Receptacle Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
5145	281938/3	0,50 - 1,50	Cu Fe Sn	88069, 88074	3976
5182	281938/2	1,00 - 2,50	Cu Fe Sn	88069, 88074	-



3.43 MIC Tab Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
5180	281937/3	1,00 - 2,50	Cu Fe Sn	88074	3987

Section n°3 - Unsealed connectors & contacts

YAZAKI SERIES 187 CONNECTORS & CONTACTS

APPLICATION: electronics body and dash board devices.



3.44 YAZAKI 187 Series Receptacle Housing

Code	Total Number of Ways	Kit Code	Type	Color	Raw Material
3124	5	6989	single line	grey	pbt



3.45 187 Series Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
3056	7116-4046-02	1,50 - 2,50	Cu Fe Sn	25060	3987

Section n°3 - Unsealed connectors & contacts

MCON 1,5 AND AMP MCP 2,8 SERIES CONNECTORS & CONTACTS

APPLICAZIONE: junction box for 2.2 and 3.0 liters
natural power engine.



3.46 MCON 1,5 & AMP MCP 2,8 Series Receptacle Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material
284853/2	12	6676	black	PA 6.6
284875/2	20	6677	black/blue	PA 6.6



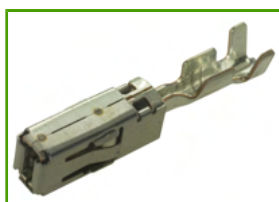
3.47 MCON 1,5 & AMP MCP 2,8 Series Tab Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material
284858/3	12	6681	black	PA 6.6
284879/3	20	6682	black	PA 6.6



3.48 MCON 1,5 Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
1241375/1	1241374/1	0,50 - 1,00	Bz Ph Sn	132225	3995
1534335/1	1534334/1	1,00 - 1,50	Bz Ph Sn	132225	3991



3.49 AMP MCP 2,8 Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Extraction Tool	Hand Tool
3238	1/968849/1	0,50 - 1,00	24000	3991



3.50 MCON 1,5 Tab Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
1241847/2	1241846/2	1,00 - 1,50	Bz Ph Sn	132225	3991



3.51 AMP MCP 2,8 Tab Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
1/963746/1	1/962842/1	1,00 - 2,50	Bz Ph Sn	88040	3987

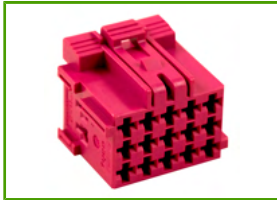
Section n°3 - Unsealed connectors & contacts

JUNIOR POWER TIMER CONNECTORS AND CONTACT SERIES



3.52 JPT 2,8 Series Receptacle Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material
963270/5	2	6654	black	PA 6.6



3.53 JPT 2,8 Series Receptacle Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material
1/967623/1	15	6553	violet	PA 6.6
1/967625/4	21	6794	green	PA 6.6



3.54 JPT 2,8 Series Tab Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material
1/965641/1	6	-	blue	PA 6.6
1/967627/1	12	7181	green	PA 6.6
1/967628/3	15	6555	yellow	PA 6.6
1/967630/4	21	6556	green	PA 6.6



3.55 Receptacle Housing for Info-Intertainment

Code	Total Number of Ways	Color	Raw Material
144172/2	8	black	PA 6.6
144172/3	8	white	PA 6.6



3.56 Tab Housing for Info-Intertainment

Code	Total Number of Ways	Kit Code	Color	Raw Material
106455/3	8	6685	grey	PA 6.6
106455/4	8	6685	brown	PA 6.6



3.57 5 Ways JPT Series Receptacle Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material
282405/1	5	6679	white	PA 6.6



3.58 JPT 2,8 Series Receptacle Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
927779/3	927779/3	0,50 - 1,00	Bz Ph Sn	88040	3991
927781/3	927773/3	1,00 - 2,50	Bz Ph Sn	88040	3987
964436/2	965999/2	1,50 - 2,50	Bz Ph Sn	88040	3987

Section n°3 - Unsealed connectors & contacts



3.59 JPT 2,8 Tab Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
5157	160743/4	0,75 - 2,50	Bz Ph Sn	88040, 88074	3987



3.60 JPT 2,8 Tab Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
1/963746/1	1/962842/1	1,00 - 2,50	Bz Ph Sn	88040	3987

MCON MIXED SERIES CONNECTORS & CONTACTS

APPLICATION: IVECO Daily bodybuilder socket.



3.61 MCON MIXED Series Tab Housing

Code	Total Number of Ways	Industrial Code	Kit Code	Secondary Lock	Color
22316	32	1/2236046/0	7139	2236048/1	black



3.62 MCON 1,2 Series Tab Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Contact Size	Extraction Tool	Hand Tool
5/1418761/1	5/1418760/1	0,50 - 0,75	-	1,2	97028	3995
1/963746/1	1/962842/1	1,00 - 2,50	Bz Ph Sn	-	88040	3987



3.63 2,8X0,8 Tab Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Contact Size	Extraction Tool	Hand Tool
1/963739/1	1/963736/1	2,5 - 4,00	-	2,8	88070	-
1/963746/1	1/962842/1	1,00 - 2,50	Bz Ph Sn	-	88040	3987

Section n°3 - Unsealed connectors & contacts

CONNECTORS & CONTACTS FOR TACHOGRAPH

APPLICATION: tachograf.



3.64 Tachograph Connector

Code	Total Number of Ways	Kit Code	Color
927365/1	8	7131	white
927366/1	8	7131	yellow
927367/1	8	7131	red
927368/1	8	7131	brown



3.65 Contacts for Tachograph Connector

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Extraction Tool	Hand Tool
927779/3	927779/3	0,50 - 1,00	Bz Ph Sn	88040	3991

Section n°3 - Unsealed connectors & contacts

MIC IV & MCP 2,8 SERIES CONNECTORS & CONTACTS

APPLICATION: trucks series body hearness.



3.66 MIC IV Tab Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material
1/144545/0	2	6672	black	PA 6.6
1/144546/0	3	6673	black	PA 6.6
1/144547/0	4	6864	black	PA 6.6
1/142856/0	5	6674	black	PA 6.6
1/142857/0	7	6675	black	PA 6.6



3.67 MIC IV Tab Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
142917/1	142754/1	0,50 - 1,00	Cu Fe Sn	88040	3991

AMP MCP 2,8 CONNECTORS AND TERMINALS

APPLICATION: Iveco electric window.



3.68 IVECO Electric Window Connector

Code	Total Number of Ways	Kit Code	Color	Raw Material
1418994/1	10	7152	black	PA 6.6



3.69 AMP MCP 2,8 terminal for Iveco electric window connector

Code	Industrial Code	Wire Size Range (mm2)	Extraction Tool	Hand Tool
3238	1/968849/1	0,50 - 1,00	24000	3991

Section n°3 - Unsealed connectors & contacts

JUNIOR & STANDARD POWER TIMER SERIES CONNECTORS & CONTACTS

APPLICATION: injection key.



3.70 3 Ways STANDARD POWER TIMER Receptacle Housing for Injection Key

Code	Total Number of Ways	Kit Code	Color	Raw Material
284098/1	3	6707	white	PA 6.6



3.71 4 Ways JPT New Generation Receptacle Housing for Injection Key

Code	Total Number of Ways	Kit Code	Color	Raw Material
284101/1	4	6708	white	PA 6.6



3.72 JPT 2,8 Series Receptacle Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
929941/3	-	0,35 - 0,50	Bz Ph Sn	88040	3991
927779/3	927779/3	0,50 - 1,00	Bz Ph Sn	88040	3991
927781/3	927773/3	1,00 - 2,50	Bz Ph Sn	88040	3987
964436/2	965999/2	1,50 - 2,50	Bz Ph Sn	88040	3987



3.73 SPT 4,8 Series Receptacle Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
927838/2	927837/2	1,00 - 2,50	Bz Ph Sn	88040	3987
927825/1	927824/1	2,50 - 4,00	Bz Ph Sn	88040	3987
963714/1	963709/1	4,00 - 6,00	Bz Ph Sn	88040	3987



3.74 POSITIVE LOCK Receptacles Contact Size 6,3

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
341001/3	154717/3	2,50 - 4,00	Bz Ph Sn	88070, 88074	3987

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Section n°3 - Unsealed connectors & contacts

SICMA SERIES CONNECTORS & CONTACTS

APPLICATION: body and dash board.



3.75 Pluton Connector Kit(SICMA HYBRID III+II)

Code	Total Number of Ways	Kit Code	Color	Raw Material
211PC109S8017	10	6926	grey	PA 6.6
211PC122S1017	12	7075	brown	PA 6.6



3.76 Heater Connector (SICMA II)

Code	Total Number of Ways	Kit Code	Color
17260500	5	6990	black



3.77 SICMA III Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Contact Size	Extraction Tool	Hand Tool
20380	211CC2S2160	1,0 - 2,0	Cu Sn	1,5	99022	3991



3.78 SICMA II Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Contact Size	Extraction Tool	Hand Tool
20310	211CC3S2120	1,00 - 2,50	Cu Sn	2,8	22006, 210041	3987

Section n°3 - Unsealed connectors & contacts

NSCC SERIES CONNECTORS & CONTACTS

APPLICATION: harnesses.



3.79 NSCC Receptacle Housings

Code	Total Number of Ways	Kit Code	Color	Raw Material
49501EV2M1	2	6450	black	pbt
988191025	2	7190	green	pbt
49601EV3M1	3	6451	black	pbt
49341EV4M1	4	6452	black	pbt



3.80 NSCC Tab Housings

Code	Total Number of Ways	Kit Code	Color	Raw Material
07511EV2F1	2	6454	black	pbt
07611EV3F1	3	6455	black	pbt
07711EV4F1	4	6456	black	pbt



3.81 NSCC Receptacle Contacts

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Contact Size	Extraction Tool	Hand Tool
20410	211CC2S1160	0,35 - 0,75	Cu Sn	1,5	99022	3991
20380	211CC2S2160	1,0 - 2,0	Cu Sn	1,5	99022	3991



3.82 NSCC Tab Contacts

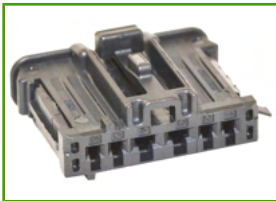
Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Extraction Tool	Hand Tool
20375	33512190	1,00 - 2,00	Bz Ph Sn	99022	99022

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Section n°3 - Unsealed connectors & contacts

NSCC 1,5 UCC 2,8 SERIES CONNECTORS & CONTACTS

APPLICATION: body and dash board.



3.83 NSCC 1,5 UCC 2,8 Hybrid Series Receptacle Housing 6 Ways

APPLICATION: CITROEN C3 rear lights + PSA group heater.

Code	Total Number of Ways	Kit Code	Color	Raw Material
988211065	6	7190	green	PA 6.6
18301EV6M1	6	6557	black	PA 6.6



3.84 NSCC 1,5 UCC 2,8 Hybrid Series Tab Housing 6 Ways

Code	Total Number of Ways	Kit Code	Color	Raw Material
08311EV6F1	6	6558	black	PA 6.6



3.85 NSCC 1.5 + UCC 2,8 Receptacle Contacts

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Contact Size	Extraction Tool	Hand Tool
20530	2120819CA201H	0,75 - 1,50	Bz Ph Sn	1,5	22006	3991
20310	211CC3S2120	1,00 - 2,50	Cu Sn	2,8	22006, 210041	3987



3.86 NSCC 1.5 + UCC 2,8 Tab Contacts

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Contact Size	Extraction Tool	Hand Tool
20425	211CL2S2160	1,0 - 2,0	Cu Fe Sn	1,5	23036, 22006	3991
20435	211CL3S2120	1,0 - 2,5	Cu Fe Sn	2,8	22006, 210041	3987

Section n°3 - Unsealed connectors & contacts

GT 150/280 SERIES CONNECTORS & CONTACTS

APPLICATION: body and dash board.



3.87 GT 280 Series Receptacle Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material
15326886	4	6589	black	PA 6.6
15326900	6	6590	black	PA 6.6



3.88 GT280 Series Tab Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material
15326904	6	6593	black	PA 6.6

HSG SERIES CONNECTORS & CONTACTS

APPLICATION: heating for FIAT Ducato.



3.89 5 Ways HSG Series Receptacle Housing

Code	Total Number of Ways	Kit Code	Color
BRT05BKFH	5	6797	black



3.90 HSG Series Receptacle Contact

Code	Wire Size Range (mm2)	Extraction Tool	Hand Tool
20319	1,00 - 2,50	88074	3987

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Section n°3 - Unsealed connectors & contacts

OBD II SERIES CONNECTORS & CONTACTS

APPLICATION: diagnostic system.



3.91 OBD II Connector's Kit

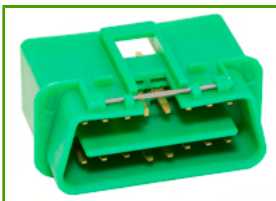
For complete wiring see CAP. 10

Code	Total Number of Ways	Color
4015	16	black



3.92 OBD II Connector Panel mount Receptacle Housing

Code	Total Number of Ways	Color
48204EV16F1	16	black



3.93 Modular Interface Replacement

Code	Total Number of Ways	Color
4911	16	green



3.94 Receptacle Contact for OBD II Connector On Board

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Contact Size	Extraction Tool	Hand Tool
20530	2120819CA201H	0,75 - 1,50	Bz Ph Sn	1,5	22006	3991

DFK3 CONNECTORS & CONTACTS SERIES

APPLICATION: body and dash board.



3.95 12 Ways DFK3 Receptacle Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material
590881	12	6795	grey	PA 6.6



3.96 DFK3 Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Extraction Tool	Hand Tool
20560	26471213179	1,00 - 2,50	88040	3987

Section n°3 - Unsealed connectors & contacts

G&H-AFK SERIES CONNECTORS & CONTACTS

APPLICATION:FIAT air conditioning devices.



3.97 AFK Connectors

Code	Total Number of Ways	Kit Code	Color	Raw Material
13901600699	2	6899	black	PA 6.6
13902600672	2	6899	grey	PA 6.6



3.98 AFK Contact

Code	Wire Size Range (mm2)	Extraction Tool	Hand Tool
20562	2,50 - 4,00	88070	3987

F800 POWER SERIES CONNECTORS & CONTACTS

APPLICATION: Body Computer and fuses box.



3.99 F800 Power Receptacle Contact

Code	Total Number of Ways	Kit Code	Color	Raw Material
4540100	1	6563	black	PA 6.6
4440300	2	6997	black	PA 6.6



3.100 F800 Power Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
1107660	1707660	4,00 - 6,00	Bz Ph Sn	90022	3987
1107671	1107671	16	Bz Ph Sn	90022	-



3.101 Power Connector Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material
3060	1	6686	black	pbt
3061	2	6686	black	pbt



3.102 Power Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
3049	7116-3250	6,00 - 10,00	Bz Ph Sn	90022	3987
3050	90022	2,50 - 4,00	Bz Ph Sn	90022	-

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Section n°3 - Unsealed connectors & contacts

ANDERSON SERIES CONNECTORS

APPLICATION: forklift, truck refrigerators, power connections.



3.103 ANDERSON 50 A Connectors

Code	Total Number of Ways	Wire Size Range (mm2)	Color	A
SB50	2	16	grey	50
SB50-RD	2	16	red	50



3.104 ANDERSON 175 A Connectors

Code	Total Number of Ways	Wire Size Range (mm2)	Color	A
SB175	2	50	grey	175
SB175-RD	2	50	red	175



3.105 ANDERSON 350 A Connectors

Code	Total Number of Ways	Wire Size Range (mm2)	Color	A
SB350	2	70	grey	350



3.106 Handle for ANDERSON Connectors

Code	Color
SB995	grey

DIN CONNECTORS



3.107 DIN Plug

Code	Total Number of Ways	Color	A
DIN80PM	2	black	80
DIN160PM	2	black	160
DIN320PM	2	black	320



3.108 DIN Socked with Handle

Code	Total Number of Ways	Color	A
DIN80PF	2	black	80
DIN160PF	2	black	160
DIN320PF-M	2	black	320

Section n°3 - Unsealed connectors & contacts

FUSEHOLDERS & RELAY SOCKET CONTACTS



3.109 Receptacle Contac for Modular Fuse Holder

Code	Wire Size Range (mm2)	Hand Tool
91001	1,50 - 2,50	3987



3.110 Receptacle Contact for ATO Fuse Holder Panel Mount

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Hand Tool
3600	913-008	1,50 - 2,50	Cu Fe Sn	3987



3.111 Receptacle Contact for ATO Fuse Holder

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
5186	626500/1	1,00 - 2,50	Cu Zn	21012	3987

CONTACTS FOR UNIT BOXES



3.112 MTA F280 Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
5602	1108331	1,00 - 2,00	tin-plated brass	99022	3991



3.113 MTA F480 Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
5601	1108401	1,50 - 2,50	tin-plated brass	90207, 90028	3987



3.114 GSK Contact

Code	Wire Size Range (mm2)	Raw Material	Hand Tool
20563	1,50-2,50	Cu Cr Ti Si	3987



3.115 MTA F630E Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
5603	1108501	0,75 - 1,50	tin-plated brass	90022	3991

Section 4

Sealed connectors & contacts

Section n °4

Sealed connectors & contacts

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Section n°4 - Sealed connectors & contacts

DEUTSCH DTM SERIES (SIZE 20) CONNECTORS & CONTACTS

APPLICATION: tractors and hearth-moving machines.



4.1 DEUTSCH DTM SERIES Receptacle Housing

Code	Total Number of Ways	Industrial Code	Kit Code	Secondary Lock	Color
4060	2	DTM06-2S	6354	WM-2S	grey
4061	3	DTM06-3S	6355	WM-3S	grey
4062	4	DTM06-4S	6356	WM-4S	grey
4063	6	DTM06-6S	6357	WM-6S	grey
4064	8	DTM06-8S	6358	WM-8S	grey
4065	12	DTM06-12S	6359	WM-12S	grey



4.2 DEUTSCH DTM SERIES Tab Housing

Code	Total Number of Ways	Industrial Code	Kit Code	Secondary Lock	Color
4066	2	DTM04-2P	6360	WM-2P	grey
4067	3	DTM04-3P	6361	WM-3P	grey
4068	4	DTM04-4P	6362	WM-4P	grey
4069	6	DTM04-6P	6363	WM-6P	grey
4070	8	DTM04-8P	6364	WM-8P	grey
4071	12	DTM04-12P	6365	WM-12P	grey



4.3 DEUTSCH DTM SERIES Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Extraction Tool	Hand Tool
4953	1062-20-0122	0,50 - 1,50	90015	3995



4.4 DEUTSCH DTM SERIES Tab Contact

Code	Industrial Code	Wire Size Range (mm2)	Extraction Tool	Hand Tool
4952	1060-20-0122	0,50 - 1,50	90015	3995

Section n°4 - Sealed connectors & contacts

ECONOSEAL CONNECTORS AND CONTACTS



4.5 ECONOSEAL Receptacle Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material
826884/2	2	6648	black	PA 6.6 g.f.



4.6 ECONOSEAL Receptacle Contact

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Extraction Tool	Hand Tool
5189	925591/1	0,50 - 1,50	Cu Fe Sn	97043	3991

AMPSEAL CONNECTORS & CONTACTS

APPLICAZIONI: control units for tractors and earth moving vehicles.



4.7 AMPSEAL Receptacle Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material
770680/1	23	7184	black	PA 6.6
776164/1	35	7185	black	PA 6.6
776273/1	14	7183	black	PA 6.6
776286/1	8	7182	black	PA 6.6



4.8 AMPSEAL Contact

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Extraction Tool	Hand Tool
3281	770520/1	0,50 - 1,50	tin	96600	3989



4.9 Plug

Code	Wire Size Range (mm ²)	Color	Raw Material	Ext. Diam.
770678/1	Plug	white	nylon	1,75

Section n°4 - Sealed connectors & contacts

AMPHENOL SERIES CONNECTORS & CONTACTS

APPLICATION: injection for IVECO Stralis, F1A engine, Eurocargo, VOLVO, RENAULT Premium.



4.10 AMPHENOL Connectors

13 A

Code	Total Number of Ways	Industrial Code	Kit Code	Color
6834	2	10-838275-00	6834	black/red
7087	4	10-707003-002	7087	black



4.11 AMPHENOL Contact

Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
4951	0,50 - 0,75	Ph Bz Au	87048	3976



4.12 Single Wire Seal

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.
828904/1	1,00 - 2,00	blue	silicone	5,6

Section n°4 - Sealed connectors & contacts

DEUTSCH DT SERIES (SIZE 16) CONNECTORS & CONTACTS

APPLICATION: N.H. hearth-moving machines,
SCANIA, bus elevator for disabled.



4.13 DEUTSCH DT SERIES Receptacle Housing

Code	Total Number of Ways	Industrial Code	Kit Code	Secondary Lock	Color
4042	2	DT06-2S	6340	W2S	grey
4043	3	DT06-3S	6341	W3S	grey
4044	4	DT06-4S	6342	W4S	grey
4046	6	DT06-6S	6343	W6S	grey
4048	8	DT06-8S	6344	W8S	grey
4049	12	DT06-12S	6345	W12S	grey



4.14 DEUTSCH DT SERIES Tab Housing

Code	Total Number of Ways	Industrial Code	Kit Code	Secondary Lock	Color
4052	2	DT04-2P	6346	W2P	grey
4053	3	DT04-3P	6347	W3P	grey
4054	4	DT04-4P	6348	W4P	grey
4056	6	DT04-6P	6349	W6P	grey
4058	8	DT04-8P	6350	W8P	grey
4059	12	DT04-12P	6351	W12P	grey



4.15 DEUTSCH DT SERIES Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Extraction Tool	Hand Tool
4950	1062-16-0122	0,75 - 2,00	90016	3991



4.16 DEUTSCH DT SERIES Tab Contact

Code	Industrial Code	Wire Size Range (mm2)	Extraction Tool	Hand Tool
4960	1060-16-0122	0,75 - 2,00	24060	3991



4.17 Plug for DEUTSCH DT SERIES

Code	Color	Diameter
114017	white	3,073

Section n°4 - Sealed connectors & contacts

REAR LIGHT CIRCULAR CONNECTORS

APPLICATION: IVECO Stralis rear lights,
MERCEDES, MAN, IVECO electronic switch battery.



4.18 Rear Light Receptacle Housings

Code	Total Number of Ways	Kit Code	Color	Notes
7066	8	7066	black	7 Little contact + 1 central power
7088	8	7088	black	8 Little Contacts



4.19 Rear Light Contacts

Code	Type	Wire Size Range (mm2)	Extraction Tool	Hand Tool
7814	signal	0,50 - 1,00	87035	3976
7815	power	1,50 - 2,50	87045	3976



4.20 Single Wire Seals

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.	Contact Size
828904/1	1,00 - 2,00	blue	silicone	5,6	-
828905/1	2,00 - 2,50	white	silicone	5,6	2,8

Section n°4 - Sealed connectors & contacts

CIRCULAR CONNECTORS 1,5 E 2,5 SERIES

APPLICATION: trucks engine sensor - rear lights -
speedometer fuel pumps.



4.21 Round Connector Receptacles

Code	Total Number of Ways	Kit Code	Color	Raw Material	Contact Size
1/967325/3	2	3291	black	PA 6.6	2,5
1/967325/2	3	3292	black	PA 6.6	2,5
1/967325/1	4	3293	nero	PA 6.6	2,5
967650/1	7	3290	black	PA 6.6	1,5



4.22 Round Connector Tabs

Code	Total Number of Ways	Kit Code	Color	Raw Material	Contact Size
1/967402/1	4	3294	black	PA 6.6	2,5
1718230/1	7	3296	black	PA 6.6	1,5



4.23 Receptacle Contacts 1,5

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
3295	929990/1	1,0 - 2,5	Bz Ph Sn	87035	3976



4.24 Receptacle Contacts 2,5

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
3413	929974/1	1,00 - 2,50	-	88040	3991
5201	929975/1	1,00 - 2,50	Bz Ph Sn	87050	--



4.25 Tab Contacts 1,5

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool
3420	1703014/1	1,00 - 2,50	Bz Ph Sn	25014



4.26 Tab Contacts 2,5

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
5197	929968/1	1,00 - 2,50	Bz Ph Sn	87050	--

Section n°4 - Sealed connectors & contacts



4.27 Single Wire Seals

Code	Wire Size Range (mm ²)	Color	Raw Material	Ext. Diam.	Contact Size
828921/1	1,00 - 2,50	yellow	silicone	6,2	1,5
828905/1	2,00 - 2,50	white	silicone	5,6	2,8
828904/1	1,00 - 2,00	blue	silicone	5,6	-



4.28 Clamp for Round Connectors

* for concoluted tubing GANF10

Code	Type	Color	Raw Material	Diameter
965783/1	90°	black	PA 6.6	13
965786/1	straight	black	PA 6.6	13



4.29 Locknut for circular connectors.

Code	Type	Color
965687/1	accessory	black

AMPSEAL 16 CONNECTORS & CONTACTS

APPLICATIONS: Sensor sensors for tractors and earth moving vehicles



4.30 AMPSEAL 16 Receptacle Housing

Code	Total Number of Ways	Kit Code	Color
776427/1	2	7143	black
776429/1	3	7144	black
776487/1	4	7146	black



4.31 AMPSEAL 16 Contact

Code	Industrial Code	Wire Size Range (mm ²)	Extraction Tool
776299/2	776492/2	0,80-2,00	88074

Section n°4 - Sealed connectors & contacts

DEUTSCH SERIES DTP (SIZE 12) CONNECTORS & CONTACTS

APPLICATION: tractors and heart moving machines.



4.32 DEUTSCH DTP SERIES Receptacle Housings

Code	Total Number of Ways	Industrial Code	Kit Code	Secondary Lock	Color
4074	2	DTP06-2S	6366	WP-2S	grey
4075	4	DTP06-4S	6367	WP-4S	grey



4.33 DEUTSCH DTP Series Tab Housings

Code	Total Number of Ways	Industrial Code	Kit Code	Secondary Lock	Color
4076	2	DTP04-2P	6368	WP-2P	grey
4077	4	DTP04-4P	6369	WP-4P	grey



4.34 DEUTSCH SERIES DTP Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Extraction Tool	Hand Tool
4954	1062-12-0166	2,00-4,00	90014	3987



4.35 DEUTSCH SERIES DTP Tab Contact

Code	Industrial Code	Wire Size Range (mm2)	Extraction Tool	Hand Tool
4955	1060-12-0166	2,00-4,00	90014	3987



4.36 DEUTSCH DTP SERIES Plug

Code	Color	Diameter
114017	white	3,073

Section n°4 - Sealed connectors & contacts

UNIVERSAL MATE-N-LOK SERIES CONNECTORS & CONTACTS

APPLICATION: harnesses.



4.37 UNIVERSAL MATE-N-LOK Receptacle Housings

Code	Total Number of Ways	Kit Code	Color	Raw Material
1/480699	2	6887	white	nylon 105°
1/480701	3	6888	white	nylon 105°
1/480705	6	6890	white	nylon 105°
1/480707	9	6891	white	nylon 105°
1/480709	12	6892	white	nylon 105°
1/480711	15	-	white	nylon 105°



4.38 UNIVERSAL MATE-N-LOK Tab Housings

Code	Total Number of Ways	Kit Code	Color	Raw Material
1/480698	2	6893	white	nylon 105°
1/480700	3	6894	white	nylon 105°
1/480702/0	4	-	white	nylon 105
1/480704	6	6896	white	nylon 105°
1/480706	9	6897	white	nylon 105°
1/480708	12	6898	white	nylon 105°
1/480710	15	-	white	nylon 105°



4.39 Single Wire Seals

Code	Total Number of Ways	Color	Raw Material
794269/1	2	blue	silicone
794271/1	3	blue	silicone
794273/1	4	blue	silicone
794275/1	6	blue	silicone
794277/1	9	blue	silicone
794279/1	12	blue	silicone
794281/1	15	blue	silicone



4.40 Single Wire Seals

Code	Total Number of Ways	Color	Raw Material
794270/1	2	blue	silicone
794272/1	3	blue	silicone
794274/1	4	blue	silicone
794276/1	6	blue	silicone
794278/1	9	blue	silicone
794280/1	12	blue	silicone
794282/1	15	blue	silicone



4.41 UNIVERSAL MATE-N-LOK Female Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
350550/1	350536/1	0,50 - 2,00	Cu Fe Sn	87035	3991

Section n°4 - Sealed connectors & contacts



4.42 UNIVERSAL MATE-N-LOK Tab Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
350547/1	350218/1	0,50 - 2,00	Cu Fe Sn	87035	3991

GLOW PLUG CONNECTORS & CONTACTS

APPLICATION: glow plugs.



4.43 Glow Plug Connector

Code	Total Number of Ways	Kit Code	Color	Raw Material
284818/1	1	6913	black	PA 6.6



4.44 Glow Plug Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool
5203	962954/2	1,00 - 2,50	silver	93010



4.45 Single Wire Seals for Glow Plug Contact

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.
963245/1	2,5 - 4,00	yellow	silicone	8,2

Section n°4 - Sealed connectors & contacts

WEATHER-PACK SERIES CONNECTORS & CONTACTS

APPLICATION: powertrain systems sensors.



4.46 WEATHER - PACK Receptacle Housing

* APPLICATION FOR 6767: side lights for MERCEDES Actros 2011

Code	Total Number of Ways	Kit Code	Color	Raw Material
673753	1	6638	black	PA 6.6
416053	2	6639	black	PA 6.6
416038	3	6640	black	PA 6.6
660082	4	6767	black	PA 6.6



4.47 WEATHER - PACK Tab Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material
673720	1	6641	black	PA 6.6
411693	2	642	black	PA 6.6
671157	3	6643	black	PA 6.6
! 661629	4	6768	black	PA 6.6



4.48 WEATHER - PACK Receptacle Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool
22150	401523	1,00 - 2,50	Cu Fe Sn	97043



4.49 WEATHER - PACK Tab Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool
22170	401525	1,00 - 2,50	Cu Fe Sn	97043



4.50 WEATHER-PACK Single Wire Seal

Code	Industrial Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.
6124	400666	2,00 - 2,50	green	silicone	7,25
22130	416174	2,50 - 4,00	grey	silicone	7,25

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Section n°4 - Sealed connectors & contacts

MQS SERIES CONNECTORS & CONTACTS

APPLICATION: ABS sensor-anti skid system,
electric lights control, electric window, electric
throttlr, rear lights.



4.51 MQL Serie Connectors

* APPLICATION: NEW HOLLAND high pressure oil sensor.

Code	Total Number of Ways	Kit Code	Color	Raw Material
284703/1	2	6752	black	PA 6.6
1/967644/1	2	6923	black	PA 6.6
1/967642/1	3	6921	black	PA 6.6
1/967640/1	4	7135	black	PA 6.6
1/967616/1	6	6695	black	PA 6.6
1/1534229/1	8	7134	black	PA 6.6



4.52 MQL receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
5123	5/962885/1	0,25 - 0,50	Bz Ph Sn	90207	3989 + 3989/3



4.53 Single Wire Seals

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.	Contact Size
967067/2	0,50 - 0,75	yellow	silicone	4,1	-
967067/1	0,75 - 1,00	green	silicone	4,1	-
963531/1	Plug	white	silicone	3,9	1,5

Section n°4 - Sealed connectors & contacts

YAZAKI HS 025 CONNECTORS AND CONTACTS

APPLICATION: engine cable for RENAULT-NISSAN-
OPEL, FCA fender sensor.



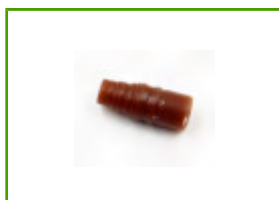
4.54 HS 025 Connector

Code	Kit Code	Color
7287-1380-30	7160	black



4.55 HS 025 Receptacle Contact

Code	Wire Size Range (mm ²)	Raw Material	Extraction Tool	Hand Tool
7116-4417-02	0,50 - 1,00	tin-plated brass	93006 + 90026	3989



4.56 Single Wire Seal for HS 025 Contact

Code	Color	Raw Material	Ext. Diam.
7158-3168-80	brown	silicone	2,9

Section n°4 - Sealed connectors & contacts

GT 150 SERIES CONNECTORS & CONTACTS

APPLICATION: powertrain systems sensors - EGR valve



4.57 GT 150 Serie Receptacle Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material
! 15336004	2	6954	black/violet	PA 6.6



4.58 MICRO GT 150 Receptacle Housing

* APPLICATION: Magneti Marelli stepper motor for GPL/natural power.

Code	Total Number of Ways	Kit Code	Color	Raw Material
! 15336035	4	6943	black	PA 6.6
15336029	3	6944	black	PA 6.6
15397275	3	6929	black	PA 6.6



4.59 MICRO GT 150 Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Extraction Tool	Hand Tool
22196	15326267	0,50 - 1,00	90028	3976



4.60 Single Wire Seal

Code	Wire Size Range (mm2)	Color	Raw Material
! 15366022	0,50 - 1,00	green	silicone

GET 0,64 SERIES CONNECTORS & CONTACT

APPLICATION: flow meter.



4.61 GET 0,64 Connector

Code	Total Number of Ways	Kit Code	Color
1/1419168/2	6	7191	black



4.62 GET 0,64 Receptacle Contact

Code	Wire Size Range (mm2)	Extraction Tool	Hand Tool
1393366/1	0,50 - 0,75	25046	3991

Section n°4 - Sealed connectors & contacts

MCON 1,2 SERIES CONNECTORS & CONTACTS

APPLICATION: engine speed sensor for FIAT, LANCIA, ALFA ROMEO, CHRYSLER. CAM sensor: FIAT, LANCIA, ALFA ROMEO, park sensor, "UREA tank for IVECO Daily, rear lights for FIAT Punto Evo (5W).



4.63 MCON 1,2 Receptacle Housings with CPA

*The code 1/1564440/1 is 90°

Code	Total Number of Ways	Kit Code	Color	Raw Material
1/1718643/1	2	7005	black	PA 6.6
1/1564440/1	2	6815	black	PA 6.6
1/1718644/1	3	6968	black	PA 6.6
1/1718645/1	4	6819	black	PA 6.6
1/1718806/1	5	6821	black	PA 6.6
1/1718646/1	6	6823	black	PA 6.6



4.64 MCON 1,2 Tab Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
1718761/1	1718760/1	0,50 - 0,75	PRE -TIN	121600	3989



4.65 MCON 1,2 Tab Housings

Code	Total Number of Ways	Kit Code	Color	Raw Material
1/1703498/1	2	6816	black	PA 6.6
1/1703494/1	3	6818	black	PA 6.6
1/1564559/1	4	6820	black	PA 6.6
1/2141520/1	5	6822	black	PA 6.6
1/2141324/1	6	6824	black	PA 6.6



4.66 MCON 1,2 Receptacle Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
1452666/1	1452665/1	0,25 - 0,35	pre tin	25060	3989 + 3989/4
1452669/1	1452668/1	0,50 - 0,75	PRE -TIN	25060	3989 + 3989/4



4.67 Single Wire Seals

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.	Contact Size
967067/2	0,50 - 0,75	yellow	silicone	4,1	-
967067/1	0,75 - 1,00	green	silicone	4,1	-
963531/1	Plug	white	silicone	3,9	1,5

Section n°4 - Sealed connectors & contacts

BOSCH TRAPEZOID CONNECTOR

APP.: pressure sensor natural power IVECO



4.68 BOSCH Trapezoid Connector

Code	Total Number of Ways	Kit Code	Color
7156	5	7156	black



4.69 Contact for BOSCH Trapezoide Connector

Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
8811	0,75 - 1,00	Silver Plated	97028	3989 + 3989/4



4.70 Single Wire Seal

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.
967067/2	0,50 - 0,75	yellow	silicone	4,1

Section n°4 - Sealed connectors & contacts

BOSCH BAK SERIES CONNECTORS & CONTACTS

APPLICATION: fuel and gazole injection systems,
diesel engine control ALFA ROMEO Giulietta.



4.71 BAK Receptacle Housing

Code	Total Number of Ways	Kit Code	Color
10885397	6	6939	black



4.72 BAK Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
3415	1241380/1	0,50 - 1,00	Bz Ph Sn	132225, 24008	3989 + 3989/2



4.73 Single Wire Seals

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.	Contact Size
967067/2	0,50 - 0,75	yellow	silicone	4,1	-
967067/1	0,75 - 1,00	green	silicone	4,1	-
963531/1	Plug	white	silicone	3,9	1,5

MICRO TIMER II SERIES CONNECTORS & CONTACTS

APPLICATION: EGR valves.



4.74 MICRO TIMER II Receptacle Housings

Code	Total Number of Ways	Kit Code	Color
284716/2	6	6938	black
284716/1	6	6916	grey
284716/3	6	6915	brown



4.75 MICRO TIMER II Receptacle Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
5184	964274/2	0,50 - 1,00	Cu Fe2	132225	3989 + 3989/1
5195	962876/5	0,50 - 1,00	Cu Fe2 Au	132225	3989 + 3989/1



4.76 Single Wire Seals

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.	Contact Size
963530/1	0,50 - 0,75	grey	silicone	3,9	1,5
964972/1	2,00 - 2,50	yellow	silicone	3,9	1,5
963531/1	Plug	white	silicone	3,9	1,5

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Section n°4 - Sealed connectors & contacts

FEP FKG 1,5 SERIES CONNECTORS & CONTACTS FEP

APPLICATION: sensors for german cars.



4.77 FEP 1,5 Receptacle Housings

Code	Total Number of Ways	Kit Code	Type	Color
42121600	2	7062	single line	black
42121300	3	7063	single line	black
42121400	4	7064	single line	black
42121700	6	6953	double row	black



4.78 FEP 1,5 Receptacle Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
5184	964274/2	0,50 - 1,00	Cu Fe2	132225	3989 + 3989/1
5195	962876/5	0,50 - 1,00	Cu Fe2 Au	132225	3989 + 3989/1



4.79 Single Wire Seals

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.	Contact Size
964972/1	2,00 - 2,50	yellow	silicone	3,9	1,5
963530/1	0,50 - 0,75	grey	silicone	3,9	1,5
963531/1	Plug	white	silicone	3,9	1,5

PULL-TO-SEAT SERIES CONNECTORS & CONTACTS

APPLICATION: sensors powertrain systems.



4.80 PULL - TO - SEAT Receptable Housings

APPLICATION: ISUZU cars.

Code	Total Number of Ways	Kit Code	Color	Raw Material
618487	2	6624	black/green	PA 6.6
403595	2	6625	black/black	PA 6.6
609384	3	6626	black/violet	PA 6.6
618344	3	6627	black/grey	PA 6.6
401462	4	6628	black/orange	PA 6.6



4.81 PULL - TO - SEAT Receptable Contacts

To use il 22125 for the connector 609384

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
22125	610987	0,50 - 1,00	Bz Ph	88069	3991
6426	616622	0,75 - 1,00	Bz Ph	88069	3991

Section n°4 - Sealed connectors & contacts

DELPHI INJECTOR SERIES CONNECTORS & CONTACTS

APPLICATION: fuel injector FORD, RENAULT, PSA group.



4.82 DELPHI Injector Receptacle Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material
240PC024S8014	2	6758	grey	PA 6.6



4.83 DELPHI PIEZO-ELECTRIC Injector Receptacle Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material
13816706	2	6858	black	PA 6.6



4.84 DELPHI Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
5195	962876/5	0,50 - 1,00	Cu Fe2 Au	132225	3989 + 3989/1



4.85 Single Wire Seals

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.	Contact Size
964972/1	2,00 - 2,50	yellow	silicone	3,9	1,5
963530/1	0,50 - 0,75	grey	silicone	3,9	1,5
963531/1	Plug	white	silicone	3,9	1,5

Section n°4 - Sealed connectors & contacts

GT 150 SERIES CONNECTORS AND CONTACTS

APPLICATION: harnesses sensors - EGR valve



4.86 GT 150 Serie Receptacle Housings

Code	Total Number of Ways	Kit Code	Color	Raw Material
403421	1	6927	black	PA 6.6
404241	2	6940	black	PA 6.6
403423	3	6928	black	PA 6.6
403424	4	6941	black	PA 6.6



4.87 GT 150 Serie Receptacle Housings

Code	Total Number of Ways	Kit Code	Color	Raw Material
15409183	4	6942	black	PA 6.6



4.88 GT 150 Receptacle Contact

Code	Wire Size Range (mm2)	Extraction Tool	Hand Tool
404109	1,00 - 2,00	90028	3976



4.89 Single Wire Seal

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.
400665	1,50 - 2,00	blue	silicone	5,75

SSC SERIES CONNECTORS & CONTACTS

APPLICATION: sensors, BRC injection gas, common rail injection.



4.90 SSC SYSTEM Receptacle Housings

Code	Total Number of Ways	Kit Code	Color	Raw Material
284556/1	2	6865	black	PA 6.6
284425/1	3	6866	black	PA 6.6



4.91 SSC SYSTEM Receptacle Contacts

Code	Industrial Code	Wire Size Range (mm2)	Extraction Tool	Hand Tool
3270	929025/1	1,50 - 2,00	24000	3987
3276	929027/1	0,50 - 1,00	24000	3991

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Section n°4 - Sealed connectors & contacts

CINCH (MOLEX) SCC 1,5 SERIES CONNECTORS & CONTACTS

APPLICATION: sectioning (FIAT Ducato -
PEUGEOUT Boxer - CITROEN Jumper)



4.92 SCC 1,5 Receptacle Housings

Code	Total Number of Ways	Kit Code	Color	Raw Material
17301EV8M1	8	6580	black	PA 6.6
17401EV10M1	10	6582	black	PA 6.6

!



4.93 SCC 1,5 Tab Housings

Code	Total Number of Ways	Kit Code	Color	Raw Material
07311EV8F1	8	6581	black	PA 6.6
07411EV10F1	10	6583	black	PA 6.6



4.94 Receptacle Contact for SCC 1,5 Housing

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Contact Size	Extraction Tool	Hand Tool
20530	2120819CA201H	0,75 - 1,50	Bz Ph Sn	1,5	22006	3991



4.95 Tab Contact for SCC 1,5 Housing

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
20375	33512190	1,00 - 2,00	Bz Ph Sn	99022	99022

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Section n°4 - Sealed connectors & contacts

SUPERSEAL CONNECTORS & CONTACTS

APPLICATION: various harnesses and sensors
powertrain systems.



4.96 SUPERSEAL Receptacle Housings

Code	Total Number of Ways	Kit Code	Color	Raw Material
282079/2	1	6596	black	PA 6.6
282080/1	2	6597	black	PA 6.6
282087/1	3	6598	black	PA 6.6
282088/1	4	6599	black	PA 6.6
282089/1	5	6600	black	PA 6.6
282090/1	6	6601	black	PA 6.6



4.97 SUPERSEAL Tab Housings

Code	Total Number of Ways	Kit Code	Color	Raw Material
282103/1	1	6602	black	PA 6.6
282104/1	2	6603	black	PA 6.6
282105/1	3	6604	black	PA 6.6
282106/1	4	6605	black	PA 6.6
282107/1	5	6606	black	PA 6.6
282108/1	6	6607	black	PA 6.6



4.98 SUPERSEAL receptacle Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
3220	282403/1	0,35 - 0,75	Bz Ph Sn	22006	3976 + 3980
183025/1	282110/1	0,50 - 1,50	Bz Ph Sn	22006	3976 + 3980



4.99 SUPERSEAL Tab Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
3225	282404/1	0,35 - 0,75	Bz Ph Sn	22006	3976 + 3980
183024/1	282109/1	0,50 - 1,50	Bz Ph Sn	22006	3976 + 3980



4.100 SUPERSEAL Single Wire Seals for Contacts

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.
281934/4	0,50 - 1,50	green	silicone	5,9
281934/2	1,50 - 2,50	yellow	silicone	5,9
281934/3	2,50 - 4,00	red	silicone	5,9
282081/1	Plug	red	silicone	5,9



4.101 T Shunting

Use only with connector 282080/1

Code	Total Number of Ways	Type	Color	Raw Material
6917	6	shunting	black	PA 6.6

Section n°4 - Sealed connectors & contacts

METRIPACK CONNECTORS AND CONTACTS SERIES 150

APPLICATION: various harnesses and sensors.



4.102 METRIPACK 150 Series Female Connectors

Code	Total Number of Ways	Kit Code	Secondary Lock	Color	Raw Material
402242	1	6608	-	black	PA 6.6
402244	2	6609	-	black	PA 6.6
! 402247	3	6610	-	black	PA 6.6
402250	4	6611	12047948	black	PA 6.6
! 402453	5	6612	-	black	PA 6.6
402452	6	6613	12052850	black	PA 6.6
697324	8	6614	12066304	black	PA 6.6
400381	10	6615	-	black	PA 6.6



4.103 METRIPACK 150 Series Male Connectors

Code	Total Number of Ways	Kit Code	Secondary Lock	Color	Raw Material
418745	1	6616	-	black	PA 6.6
417086	2	6617	-	black	PA 6.6
416965	3	6618	-	black	PA 6.6
400692	4	6619	12047948	black	PA 6.6
! 400693	5	6620	-	black	PA 6.6
400694	6	6621	12020833	black	PA 6.6
697701	8	6622	12047936	black	PA 6.6
697260	10	6623	-	black	PA 6.6



4.104 METRIPACK 150 Series Receptacle Contact

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Contact Size	Extraction Tool	Hand Tool
4474	418974	0,50 - 1,00	Bz Ph Sn	150	97028	3976



4.105 METRIPACK Series 150 Tab Contact

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Contact Size	Extraction Tool	Hand Tool
4540	422285	0,50 - 1,00	Bz Ph Sn	150	97028	3976



4.106 METRIPACK 150 Series Single Wire Seals

Code	Industrial Code	Wire Size Range (mm ²)	Color	Raw Material	Ext. Diam.	Contact Size
22085	400665	1,00 - 2,00	blue	silicone	5,75	1,5
22080	419223	2,00 - 2,50	red	silicone	5,75	-

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Section n°4 - Sealed connectors & contacts

ECONOSEAL J MKII SERIES CONNECTORS & CONTACTS

APPLICATION: electric windows, rear and front windows.



4.107 ECONOSEAL J MKII+ Receptacle Housings

Code	Total Number of Ways	Industrial Code	Kit Code	Secondary Lock	Type	Color
174352/2	2	2822348/1	7093	345254/1	single line	black
174357/2	3	2822390/1	7094	174358/7	single line	black
174257/2	4	2822391/1	7095	174258/7	double row	black
184046/1	4	-	7197	174258/7	single line	black
174262/2	6	2822346/1	7042	174263/7	double row	black
174982/2	8	2822393/1	7096	174983/7	double row	black
174655/2	10	2822395/1	7097	174656/7	double row	black
174661/2	12	2822638/1	7098	174662/7	double row	black

APPLICATION 7042: Trinary s-way



4.108 ECONOSEAL J MKII+ Tab Housings

Code	Total Number of Ways	Kit Code	Secondary Lock	Type	Color
174354/2	2	7099	174355/7	single line	black
174359/2	3	7100	174360/7	single line	black
174259/2	4	7110	174260/7	double row	black
174264/2	6	7111	174265/7	double row	black
174984/2	8	7117	174985/7	double row	black
174657/2	10	7123	174658/7	double row	black
174663/2	12	7126	174664/7	double row	black



4.109 ECONOSEAL J MKII+ Receptacle Contact

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Extraction Tool	Hand Tool
3408	171662/1	0,50 - 1,50	Bz Ph Sn	88040	3976



4.110 ECONOSEAL J MKII+ Tab Contact

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Extraction Tool	Hand Tool
3407	171661/1	0,50 - 1,50	Bz Ph Sn	88040	3976



4.111 Single Wire Seals

Code	Industrial Code	Wire Size Range (mm ²)	Color	Raw Material	Ext. Diam.
172746/1	2822352/1	0,25 - 0,50	black	silicone	5,1
172888/2	2822354/1	0,50 - 1,50	grey	silicone	5,1
172748/1	2822357/1	Plug	black	silicone	5,1

Section n°4 - Sealed connectors & contacts

SUMITOMO TS SERIES CONNECTORS & CONTACTS

APPLICATION: IVECO Daily alternator, Denso injectors.



4.112 SUMITOMO Receptacle Housings

Code	Total Number of Ways	Kit Code	Color
29015	2	7149	grey



4.113 SUMITOMO TS SERIES Receptacle Housing

Code	Total Number of Ways	Kit Code	Color
6189-0442	3	6764	black



4.114 SUMITOMO TS SERIES Receptacle Contact

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Extraction Tool	Hand Tool
29016	8100-0461	0,50 - 1,50	PRE -TIN	22006	3976



4.115 SUMITOMO TS Series Single Wire Seals

Code	Industrial Code	Wire Size Range (mm ²)	Color	Raw Material	Ext. Diam.
7157-3857-60	7157-3857-60	1,50 - 2,00	green	silicone	5,7
29017	-	0,50 - 1,00	brown	silicone	4,9

Section n°4 - Sealed connectors & contacts

SUMITOMO DL SERIES CONNECTORS & CONTACTS

APPLICATION: IVECO Stralis drift.



4.116 SUMITOMO DL Series Connector

Code	Total Number of Ways	Kit Code	Color
6195-0030	4	7196	grey



4.117 SUMITOMO DL Series Contact

Code	Industrial Code	Wire Size Range (mm2)	Extraction Tool	Hand Tool
29012	8100-1429	0,75 - 1,00	22006	3976 + 3980



4.118 Single Wire Seal

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.
2822354/1	0,50 - 1,50	grey	silicone	5,1

SICMA MINI SEAL SERIES CONNECTORS & CONTACTS

APPLICATION: engine sensors.



4.119 SICMA MINI SEAL Receptacle Housing

Code	Total Number of Ways	Kit Code	Color
SIC-FHPE04BK	4	6930	black



4.120 SICMA MINI SEAL Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Contact Size	Extraction Tool	Hand Tool
3108	211CC2S2230	1,00 - 2,00	Cu Sn	1,5	99022	3987

Section n°4 - Sealed connectors & contacts

SUMITOMO 090 SERIES CONNECTORS & CONTACTS

APPLICATIONS: TOYOTA, OPEL, MAZDA Diesel injectors, IVECO metan gas.



4.121 SUMITOMO 0,90 Series Receptacle Housing

Code	Total Number of Ways	Kit Code	Color
29010	2	7150	grey



4.122 Iveco Methan Receptacle Housing

Code	Total Number of Ways	Kit Code	Color
29013	2	7155	black



4.123 SUMITOMO 0,90 Series Receptacle Contact

Code	Wire Size Range (mm2)	Extraction Tool	Hand Tool
29011	0,30 - 1,25	22006	3976 + 3980



4.124 SUMITOMO 0,90 Series Single Wire Seal

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.
2822354/1	0,50 - 1,50	grey	silicone	5,1

Section n°4 - Sealed connectors & contacts

G & H MKR PLUS SERIES CONNECTORS & CONTACTS

APPLICATION: IVECO Stralis Alternator and
Pullman IRISBUS.



4.125 G & H MKR PLUS Series Receptacle Housing

Code	Total Number of Ways	Kit Code	Cover	Color	Raw Material
18241000000	5	6769	14899625699	black	PA 6.6



4.126 G & H MKR PLUS Series Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
20561	26806201184	0,50 - 1,0	TIN	21054	3976



4.127 G & H MKR PLUS Series Single Wire Seal

Code	Industrial Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.	Contact Size
22085	400665	1,00 - 2,00	blue	silicone	5,75	1,5

Section n°4 - Sealed connectors & contacts

MIC MKII SERIES CONNECTORS

APPLICATION: bulkhead for trucks.



4.128 MIC MKII Series Round Receptacle Housings

Code	Total Number of Ways	Kit Code	Color	Raw Material
282945/1	3	6759	black	PA 6.6
282943/1	10	6760	black	PA 6.6



4.129 MIC MKII Series Receptacle Contacts

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Extraction Tool	Hand Tool
5145	281938/3	0,50 - 1,50	Cu Fe Sn	88069, 88074	3976
5182	281938/2	1,00 - 2,50	Cu Fe Sn	88069, 88074	-



4.130 MIC MKII Series Single Wire Seal

Code	Wire Size Range (mm ²)	Color	Raw Material	Ext. Diam.
281934/2	1,50 - 2,50	yellow	silicone	5,9
281934/3	2,50 - 4,00	red	silicone	5,9

Section n°4 - Sealed connectors & contacts

ECONOSEAL SERIES CONNECTORS & CONTACTS

APPLICATION: body sensors / breaking system.



4.131 ECONOSEAL III Receptacle Housing

APPLICATION: Common Rail HITACHI

Code	Total Number of Ways	Kit Code	Secondary Lock	Color	Raw Material
344276/1	2	7070	345254/1	black	pbt



4.132 ECONOSEAL Receptacle Housing

Use for inertial sensor (MK1)

Code	Total Number of Ways	Kit Code	Color	Raw Material
282703/1	3	6731	black	pbt



4.133 ECONOSEAL Receptacle Contact

Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
345808/1	0,50 - 1,00	Bz Ph Sn	22006	3976
345806/1	0,75 - 2,00	Bz Ph Sn	22006	3976



4.134 ECONOSEAL Single Wire Seal

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.
2822354/1	0,50 - 1,50	grey	silicone	5,1

Section n°4 - Sealed connectors & contacts

GT 150 SERIES CONNECTORS AND CONTACTS

APPLICATION: sensors and valve EGR



4.135 GT 150 Series Receptacle Housing

APPLICATION: FIAMM trumpets

Code	Total Number of Ways	Kit Code	Color	Raw Material
15419715	2	7193	grey	PA 6.6



4.136 GT 150 Series Receptacle Housing

* APPLICATION: FIAT Ducato rear light

Code	Total Number of Ways	Kit Code	Type	Color	Raw Material
15397577	6	6859	single line	black	PA 6.6
15326835	8	6693	double row	black	PA 6.6
15326842	10	6694	double row	black	PA 6.6



4.137 GT 150 Series Tab Housing

Code	Total Number of Ways	Kit Code	Type	Color	Raw Material
15326840	8	7073	double row	black	PA 6.6
15326847	10	-	double row	black	PA 6.6



4.138 GT 150 Series Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
22431	15369261	1,00 - 1,50	Bz Ph Sn	22006	3976
22320	15326427	0,75 - 1,00	Bz Ph Sn	90028	3976



4.139 GT 150 Series Tab Contact

Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
15326268	0,35 - 0,50	Bz Ph Sn	25046	3976
15326269	0,75 - 1,00	Bz Ph Sn	25046	3976



4.140 GT 150 Series Single Wire Seal

Code	Industrial Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.	Contact Size
22085	400665	1,00 - 2,00	blue	silicone	5,75	1,5
15305171	-	Plug	green	silicone	4,5	-

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Section n°4 - Sealed connectors & contacts

HEAVY DUTY SEALED CONNECTOR SERIES SERIES CONNECTORS & CONTACTS

APPLICATION: Heavy vehicles and earth moving machines.



4.141 Heavy Duty Sealed Connector Series 1,5 Receptacle Housings

Code	Total Number of Ways	Kit Code	Color	Raw Material
1/1418448/1	3	7082	black	pbt
1/1418469/1	6	7083	black	pbt
1/1418479/1	8	7084	black	pbt
2/1703639/1	12	7148	black	pbt



4.142 Heavy Duty Sealed Connector Series 1,5+2,8 Receptacle Housings

Code	Total Number of Ways	Kit Code	Color	Raw Material
1/1418480/1	7	7081	black	pbt
1/1563878/1	15	7092	black	pbt



4.143 Heavy Duty Sealed Connector Series 2,8 Receptacle Housings

Code	Total Number of Ways	Kit Code	Color	Raw Material
1/1418483/1	2	7079	black	pbt
1/1418390/1	4	7080	black	pbt



4.144 Heavy Duty Sealed Connector Series 1,5 Tab Housings

Code	Total Number of Ways	Kit Code	Color	Raw Material
1/1670730/1	3	7086	black	Pbt
1/1564416/1	8	7137	black	pbt



4.145 Heavy Duty Sealed Connector Series 1,5+2,8 Tab Housings

Code	Total Number of Ways	Kit Code	Color	Raw Material
1/1703648/1	7	7085	black	pbt
1/1564530/1	15	7192	black	pbt



4.146 Heavy Duty Sealed Connector Series 1,5 Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
3415	1241380/1	0,50 - 1,00	Bz Ph Sn	132225, 24008	3989 + 3989/2

Section n°4 - Sealed connectors & contacts



4.147 Heavy Duty Sealed Connector Series 2,8 Receptacle Contact

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Extraction Tool	Hand Tool
3417	967542/1	0,50 - 1,00	Bz Ph Sn	88040, 24000	3976 + 3982
3414	1/968857/1	1,00 - 2,50	-	24000	3976 + 3982



4.148 Heavy Duty Sealed Connector Series 1,5 Tab Contact

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Extraction Tool	Hand Tool
3416	964269/2	0,50 - 1,00	Bz Ph Sn	24008	3989 + 3989/2



4.149 Heavy Duty Sealed Connector Series 2,8 Tab Contacts

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Extraction Tool	Hand Tool
3418	2/964300/1	0,5 - 2,0	Bz Ph Sn	24000	3976 + 3982
2/963749/1	2/962916/1	1,00 - 2,50	Bz Ph Sn	88040	3976



4.150 Heavy Duty Sealed Connector Series Single Wire Seals

Code	Wire Size Range (mm ²)	Color	Raw Material	Ext. Diam.	Contact Size
963530/1	0,50 - 0,75	grey	silicone	3,9	1,5
828904/1	1,00 - 2,00	blue	silicone	5,6	-
828905/1	2,00 - 2,50	white	silicone	5,6	2,8
963531/1	Plug	white	silicone	3,9	1,5
828922/1	Plug	transparent	silicone	5,6	2,8

Section n°4 - Sealed connectors & contacts

AMP MCP SERIES CONNECTORS & CONTACTS

APPLICATION: sectioning - New Daily lights -
gasole water sensor.



4.151 AMP MCP Receptacle Housing for 1,5 + 2,8 AMP MCP

Code	Total Number of Ways	Kit Code	Color	Raw Material
284848/1	12	6854	black	PA 6.6

Il Codice è composto da Connettore+Secondary Lock



4.152 AMP MCP Tab Housing for 1,5 + 2,8 AMP MCP

Code	Total Number of Ways	Kit Code	Color	Raw Material
284844/1	12	6855	black	PA 6.6



4.153 AMP MCP 1,5 Receptacle Contact for Hibryd Connector

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
3415	1241380/1	0,50 - 1,00	Bz Ph Sn	132225, 24008	3989 + 3989/2



4.154 AMP MCP 2,8 Receptacle Contact for Hibryd Connector

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
3417	967542/1	0,50 - 1,00	Bz Ph Sn	88040, 24000	3976 + 3982
3414	1/968857/1	1,00 - 2,50	-	24000	3976 + 3982



4.155 AMP MCP 1,5 Tab Contact for Hibryd Connector

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
3416	964269/2	0,50 - 1,00	Bz Ph Sn	24008	3989 + 3989/2
22106	15482325	0,50 - 0,75	-	26000	3989 + 3989/2



4.156 AMP MCP 2,8 Tab Contact for Hibryd Connector

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
3418	2/964300/1	0,5 - 2,0	Bz Ph Sn	24000	3976 + 3982
2/963749/1	2/962916/1	1,00 - 2,50	Bz Ph Sn	88040	3976

Section n°4 - Sealed connectors & contacts



4.157 MCP Single Wire Seals

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.	Contact Size
963530/1	0,50 - 0,75	grey	silicone	3,9	1,5
963531/1	Plug	white	silicone	3,9	1,5
963294/2	2,50 - 4,0	grey	silicone	5,65	-
828922/1	Plug	transparent	silicone	5,6	2,8

LEAVISEAL SERIES CONNECTORS

APPLICAZIONE: cambio robotizzato IVECO
Eurocargo.



4.158 LEAVYSEAL Connector

Code	Total Number of Ways	Kit Code	Cover	Color	Raw Material
1/2208686/1	21	7157	9/1394050/1	black	PA 6.6



4.159 LEAVYSEAL Contact

Code	Industrial Code	Wire Size Range (mm2)	Extraction Tool	Hand Tool
3414	1/968857/1	1,00 - 2,50	24000	3976 + 3982



4.160 Single Wire Seal

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.	Contact Size
828905/1	2,00 - 2,50	white	silicone	5,6	2,8

Section n°4 - Sealed connectors & contacts

SICMA SERIES CONNECTORS & CONTACTS WITH GROMMET

APPLICATION: DOOR-TO-BODY - front light -
sectioning - engine sensors and injection for
franch cars.



4.161 SICMA 1,5 Receptacle Housings

Code	Total Number of Ways	Kit Code	Color	Raw Material
211PC022S5281	2	6932	black/green	PA 6.6
211PC022S5049	2	6946	green/yellow	PA 6.6
211PC022S1049	2	6947	brown/yellow	PA 6.6
211PC022S0149	2	6850	black/yellow	PA 6.6
211PC032S5049	3	6931	green/yellow	PA 6.6
211PC032S0149	3	6786	black/yellow	PA 6.6
211PC042S4021	4	6852	black/yellow	PA 6.6



4.162 SICMA 1,5 - 2,8 Receptacle Housings

* Code 6792 chassis code 211A247020

Code	Total Number of Ways	Kit Code	Color	Raw Material
211PC069S0021	6	6788, 6948	black/brown	-
211PC249S0023	24	6792	black	PA 6.6



4.163 SICMA 1,5 - 2,8 Door Sealed Receptacle Housings

Code	Total Number of Ways	Kit Code	Color	Raw Material
DTBFHPE14BKSV	14	6738	black	PA 6.6



4.164 SICMA 1,5 Tab Housings

Code	Total Number of Ways	Kit Code	Color	Raw Material
211PL022S0049	2	6851	black	PA 6.6
211PL032S0011	3	6787	black	PA 6.6



4.165 Tab Housing for 1,5 & 2,8 SICMA Contacts

Code	Total Number of Ways	Kit Code	Color	Raw Material
211PL069S0011	6	6789	black	PA 6.6
211PL249S0023	24	6793	black	PA 6.6



4.166 SICMA 1,5 - 2,8 Door Sealed Tab Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material	Notes
DTBMHPE14BKSV	14	6740	green	PA 6.6	12 + 2

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Section n°4 - Sealed connectors & contacts



4.167 SICMA II 1,5 Receptacle Contacts

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Contact Size	Extraction Tool	Hand Tool
20410	211CC2S1160	0,35 - 0,75	Cu Sn	1,5	99022	3991
20380	211CC2S2160	1,0 - 2,0	Cu Sn	1,5	99022	3991



4.168 SICMA II 2,8 Receptacle Contacts

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Contact Size	Extraction Tool	Hand Tool
20415	211CC3S1120	0,35 - 0,75	Cu Sn	2,8	210041	3991
20310	211CC3S2120	1,00 - 2,50	Cu Sn	2,8	22006, 210041	3987



4.169 SICMA II 1,5 Tab Contacts

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Contact Size	Extraction Tool	Hand Tool
20420	33501792	0,35 - 0,75	Cu Sn	1,5	23036	3991
20425	211CL2S2160	1,0 - 2,0	Cu Fe Sn	1,5	23036, 22006	3991



4.170 SICMA II 2,8 Tab Contacts

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Contact Size	Extraction Tool	Hand Tool
20430	211CL3S1120	0,35 - 0,75	Cu Sn	2,8	210041	3991
20435	211CL3S2120	1,0 - 2,5	Cu Fe Sn	2,8	22006, 210041	3987



4.171 Plug connector's cavity

Code	Color
210A015019	green

Section n°4 - Sealed connectors & contacts

SICMA CONNECTORS AND CONTACTS WITH SINGLE WIRE SEALS



4.172 SICMA 1,5 - 2,8 Receptacle Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material
17260805	8	6765	black	PA 6.6



4.173 SICMA II 1,5 Receptacle Contacts

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Contact Size	Extraction Tool	Hand Tool
20410	211CC2S1160	0,35 - 0,75	Cu Sn	1,5	99022	3991
20380	211CC2S2160	1,0 - 2,0	Cu Sn	1,5	99022	3991



4.174 SICMA II 2,8 Receptacle Contacts

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Contact Size	Extraction Tool	Hand Tool
20415	211CC3S1120	0,35 - 0,75	Cu Sn	2,8	210041	3991
20310	211CC3S2120	1,00 - 2,50	Cu Sn	2,8	22006, 210041	3987



4.175 Single Wire Seals

Code	Industrial Code	Wire Size Range (mm ²)	Color	Raw Material	Ext. Diam.	Contact Size
172888/2	2822354/1	0,50 - 1,50	grey	silicone	5,1	-
828905/1	-	2,00 - 2,50	white	silicone	5,6	2,8
172748/1	2822357/1	Plug	black	silicone	5,1	-

Section n°4 - Sealed connectors & contacts

DSQ & MTS SERIES CONNECTORS & CONTACTS

APPLICATION: door to body.



4.176 DSQ & MTS Receptacle Housings

Code	Total Number of Ways	Kit Code	Cover	Color
15492867	22	7142	-	black
15492833	40	7006	15492844	black



4.177 DSQ & MTS Tab Housings

Code	Total Number of Ways	Kit Code	Color
15494543	22	7141	black
15492826	40	7007	black



4.178 MTS 0,64 Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
22390	15341541	0,35 - 0,50	Cu Fe Sn	90207	3995



4.179 DSQ 1,5 Receptacle Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
22400	15396705	0,75 - 1,00	Cu Fe Sn	132225	3991
22107	15457989	1,00 - 1,50	-	132225	3991



4.180 DSQ 2,8 Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
22410	15409041	1,50 - 2,50	Cu Fe Sn	24000	3991



4.181 MTS 0,64 Tab Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
22420	15345367	0,35 - 0,50	Cu Fe Sn	90207	3995



4.182 TTS 1,5 Tab Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool
22430	15396712	0,50 - 0,75	Cu Fe Sn	132225
3251	964267/2	0,50 - 0,75	Cu Fe Sn	132225

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Section n°4 - Sealed connectors & contacts



4.183 JPT 2,8 Tab Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
5121	2/964296/1	1,00 - 2,50	Cu Fe Sn	24000	3991

METRIPACK 150 E 480 SERIES CONNECTORS & CONTACTS

APPLICATION: sectioning.



4.184 150 & 480 MIXED METRIPACK Receptacle Housing 7 Ways

Code	Total Number of Ways	Kit Code	Color	Raw Material
620777	7	6629	black	PA 6.6



4.185 150 & 480 MIXED METRIPACK Tab Housing 7 Ways

Code	Total Number of Ways	Kit Code	Color	Raw Material
625090	7	6630	black	PA 6.6



4.186 METRIPACK Receptacle Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Contact Size	Extraction Tool	Hand Tool
4474	418974	0,50 - 1,00	Bz Ph Sn	150	97028	3976
22095	615896	2,50 - 4,00	Cu Fe Sn	480	90028	-



4.187 METRIPACK Tab Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Contact Size	Extraction Tool	Hand Tool
4540	422285	0,50 - 1,00	Bz Ph Sn	150	97028	3976
22105	625233	2,50 - 4,00	Cu Fe Sn	480	90028	-



4.188 METRIPACK Single Wire Seals

Code	Industrial Code	Type	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.	Contact Size
22085	400665	-	1,00 - 2,00	blue	silicone	5,75	1,5
22110	654004	power	2,50 - 4,00	white	silicone	9	4,8

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Section n°4 - Sealed connectors & contacts

JUNIOR POWER TIMER SERIES CONNECTORS & CONTACTS

APPLICATION: injection systems fuel and gazole -
ESP - ABS.



4.189 JPT Receptacle Housings

Code	Total Number of Ways	Kit Code	Color	Raw Material
281844/1	2	6655	black	PA 6.6
282762/1	2	6656	black	PA 6.6
282729/1	3	6660	black	PA 6.6
282729/2	3	-	grey	PA 6.6
282764/1	4	6661	black	PA 6.6
282766/1	5	6662	black	PA 6.6
282767/1	6	6663	black	PA 6.6



4.190 JPT Tab Housings

Code	Total Number of Ways	Kit Code	Color	Raw Material
106462/1	2	6671	black	PA 6.6
1/962581/2	3	7136	black	Pbt-GF



4.191 JPT Receptacle Contact for Single Wire Seal

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
925596/1	925590/1	0,50 - 1,00	Bz Ph Sn	24000	3976 + 3978



4.192 JPT Receptacle Contacts for Single Wire Seal

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
927940/3	929939/3	0,50 - 1,00	Bz Ph Sn	88040	3976 + 3978
929938/3	929937/3	1,00 - 2,50	Bz Ph Sn	88040	3976 + 3978



4.193 JPT Tab Contact for Single Seal

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
5122	2/964302/1	1,00 - 2,50	-	24000	3976
3280	2/962915/1	0,50 - 1,00	Cu Fe Sn	88040	3976 + 3978



4.194 JPT Single Wire Seal

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.	Contact Size
828904/1	1,00 - 2,00	blue	silicone	5,6	-
828905/1	2,00 - 2,50	white	silicone	5,6	2,8
828906/2	Plug	brown	silicone	5,6	-

Section n°4 - Sealed connectors & contacts

C 280 SERIES CONNECTORS & CONTACTS

"APPLICATION: injection systems fuel and gazole.
*injectors and sensors"



4.195 C 280 Injector Connectors

Code	Total Number of Ways	Kit Code	Color	Raw Material
4510801/10	2	6934	black/yellow	PA 6.6 - GF30
4510810/10	3	6935	black/yellow	PA 6.6 - GF30
4510811/10	3	6936	black/pink	PA 6.6 - GF30
4510821/10	4	6937	black/pink	PA 6.6 - GF30



4.196 C 280 Receptacle Housings

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
3109	968087/2	0,50 - 1,00	Bz Ph Sn	24006	3976 + 3982
3110	968088/2	1,50 - 2,50	Bz Ph Sn	24006	-



4.197 Single Wire Seals

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.	Contact Size
828904/1	1,00 - 2,00	blue	silicone	5,6	-
828905/1	2,00 - 2,50	white	silicone	5,6	2,8

SFK SERIES CONNECTORS & CONTACTS

APPLICATION: injectors fuel and gazole.



4.198 SFK 2,8 Receptacle Housing

Code	Total Number of Ways	Kit Code	Color	Raw Material
282956/1	2	6867	black	PA 6.6



4.199 SFK 2,8 Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
3417	967542/1	0,50 - 1,00	Bz Ph Sn	88040, 24000	3976 + 3982



4.200 Single Wire Seal

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.
828904/1	1,00 - 2,00	blue	silicone	5,6

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Section n°4 - Sealed connectors & contacts

KOSTAL SERIES CONNECTORS & CONTACTS

APPLICATION: injectors for german cars, FIAT Panda, Daily from 2000 to 2006 alternators, FIAT Freemont exhaust gas*, common rail BMW and MERCEDES.



4.201 KOSTAL Receptacle Housings

Code	Total Number of Ways	Kit Code	Color
50290937	2	6756	black
50290698	4	7072	black
09441581	5	7194	black



4.202 Throttle Body Connector

Code	Total Number of Ways	Kit Code	Color	Raw Material
09453444	4	7089	black	PA 6.6



4.203 KOSTAL Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
20564	22124492070	1,50 - 2,50	Ag	26000	3976



4.204 Single Wire Seals

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.	Contact Size
828904/1	1,00 - 2,00	blue	silicone	5,6	-
828905/1	2,00 - 2,50	white	silicone	5,6	2,8
828906/2	Plug	brown	silicone	5,6	-

Section n°4 - Sealed connectors & contacts

G & H SERIES CONNECTORS & CONTACTS

APPLICATION: VOLKSWAGEN injection



4.205 G & H Serie Receptacle Housing 2 Ways

Code	Total Number of Ways	Kit Code	Color
18985000000	2	7132	black



4.206 G & H Serie Receptacle Housing 5 Ways

Code	Total Number of Ways	Kit Code	Color
18995000000	5	7138	black



4.207 G & H Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
927940/3	929939/3	0,50 - 1,00	Bz Ph Sn	88040	3976 + 3978



4.208 G & H Single Wire Seal

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.
828904/1	1,00 - 2,00	blue	silicone	5,6

Section n°4 - Sealed connectors & contacts

LEAR G&H MDK3 CONNECTORS AND CONTACTS

APPLICATION: MAN, VOLVO side lights.



4.209 LEAR G&H MDK3 Connector

Code	Total Number of Ways	Color	Raw Material
18137000000	-	-	-
7159	2	black	PA 6.6



4.210 LEAR G&H MDK3 Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
929938/3	929937/3	1,00 - 2,50	Bz Ph Sn	88040	3976 + 3978



4.211 Single Wire Seal for LEAR G&H MDK3 Contact

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.
2822354/1	0,50 - 1,50	grey	silicone	5,1

Section n°4 - Sealed connectors & contacts

BOSCH SERIES CONNECTORS & CONTACTS

APPLICATION: injection systems - ESP - ABS.



4.212 BOSCH BDK 2,8 Receptacle Housings with Cover

Code	Total Number of Ways	Industrial Code	Kit Code	Color	Raw Material
3874	2	1.928.403.874	6933	black	PA 6.6
3736	4	1.928.403.736	6909	black	PA 6.6
3738	5	1.928.403.738	6910	black	PA 6.6
3740	6	1.928.403.740	6911	black	PA 6.6



4.213 BOSCH BDK 2,8 Receptacle Housings without Cover

Code	Total Number of Ways	Industrial Code	Kit Code	Color	Raw Material
4072	2	1.928.404.072	6907	black	PA 6.6
4073	3	1.928.404.073	6908	black	PA 6.6



4.214 BOSCH JPT Receptacle Housings with Cover

* APPLICATION: High pressure sensor IVECO, sensore flow Urea Stralis and RENAULT Premium.

Code	Total Number of Ways	Industrial Code	Kit Code	Color	Raw Material
3698	2	1.928.403.698	6900	black	PA 6.6
3870	3	1.928.403.870	6901	black	PA 6.6
3913	4	1.928.403.913	6903	black	PA 6.6
4221	5	1.928.404.221	6904	black	PA 6.6
4629	6	1.928.404.629	6906	black	PA 6.6



4.215 BOSCH JPT Receptacle Housings without Cover

Code	Total Number of Ways	Industrial Code	Kit Code	Color	Raw Material
4110	3	1.928.403.110	6902	black	PA 6.6
3813	5	1.928.403.813	6905	black	PA 6.6



4.216 BOSCH Tab Housings

Use ring JPT

Code	Total Number of Ways	Industrial Code	Kit Code	Color	Raw Material
4226	2	1.928.404.226	6994	black	PA 6.6
4227	3	1.928.404.227	6995	black	PA 6.6
3453	4	1.928.403.453	6957	black	PA 6.6



4.217 AMP MCP 2,8 Receptacle Contacts

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Extraction Tool	Hand Tool
3109	968087/2	0,50 - 1,00	Bz Ph Sn	24006	3976 + 3982
3110	968088/2	1,50 - 2,50	Bz Ph Sn	24006	-

Section n°4 - Sealed connectors & contacts



4.218 JPT Receptacle Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
927940/3	929939/3	0,50 - 1,00	Bz Ph Sn	88040	3976 + 3978
929938/3	929937/3	1,00 - 2,50	Bz Ph Sn	88040	3976 + 3978



4.219 BOSCH Tab Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
5122	2/964302/1	1,00 - 2,50	-	24000	3976
3280	2/962915/1	0,50 - 1,00	Cu Fe Sn	88040	3976 + 3978



4.220 BOSCH Single Wire Seal

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.	Contact Size
828904/1	1,00 - 2,00	blue	silicone	5,6	-
828905/1	2,00 - 2,50	white	silicone	5,6	2,8

FEP FKG 2,8 SERIES CONNECTORS & CONTACTS

APPLICATION: VOLKSWAGEN injection, size lights
VOLVO/SCANIA industrial vehicles.



4.221 FEP 2,8 Receptacle Housings

Code	Total Number of Ways	Kit Code	Type	Color
42035000	2	6757	single line	black
42122300	3	7065	single line	black
42122100	4	7061	single line	black



4.222 FEP 2,8 Receptacle Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
927940/3	929939/3	0,50 - 1,00	Bz Ph Sn	88040	3976 + 3978
929938/3	929937/3	1,00 - 2,50	Bz Ph Sn	88040	3976 + 3978



4.223 FEP 2,8 Single Wire Seals

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.	Contact Size
828904/1	1,00 - 2,00	blue	silicone	5,6	-
828905/1	2,00 - 2,50	white	silicone	5,6	2,8
828906/2	Plug	brown	silicone	5,6	-

Section n°4 - Sealed connectors & contacts

280 METRIPACK SERIES CONNECTORS & CONTACTS

APPLICATION: *electric fan and socket for headlamps H8-H9-H11.



4.224 280 METRIPACK Receptacle Housings

Code	Total Number of Ways	Industrial Code	Kit Code	Secondary Lock	Color	Raw Material
5033	1	402251	6631	400285	black/blue	PA 6.6
5061	2	402933	6632	400667	black/blue	PA 6.6
616770	2	616770	6983	-	black/orange	PA 6.6
8026	3	610315	6633	610399	black/blue	PA 6.6
400427	3	400427	6634	-	black/green	PA 6.6

Il Codice è composto da Connettore+Secondary Lock



4.225 280 METRIPACK Tab Housings

Code	Total Number of Ways	Industrial Code	Kit Code	Secondary Lock	Color	Raw Material
5030	1	413227	6635	400667	black	PA 6.6
5107	2	413637	6636	400667	black	PA 6.6
9397	3	637687	6637	621407	black	PA 6.6



4.226 280 METRIPACK Receptacle Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool
4375	413170	1,00 - 2,50	Cu Fe Sn	1,00 - 2,50



4.227 280 METRIPACK Tab Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool
4515	413121	1,00 - 2,50	Cu Fe Sn	90028



4.228 280 METRIPACK Single Wire Seal

Code	Industrial Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.
6124	400666	2,00 - 2,50	green	silicone	7,25
22130	416174	2,50 - 4,00	grey	silicone	7,25

Section n°4 - Sealed connectors & contacts

GT 280 SERIES CONNECTORS & CONTACTS

APPLICATION: Daily wipe wash - powertrain
sectioning systems - interface for electrics
devices.



4.229 GT280 Receptacle Housing 5 Ways

Code	Total Number of Ways	Industrial Code	Kit Code	Color	Raw Material
22365	5	406735	6863	black	PA 6.6



4.230 280 GT Receptacle Housing

Code	Total Number of Ways	Industrial Code	Kit Code	Color	Raw Material
22190	6	15326635	6861	black	PA 6.6



4.231 280 GT Tab Housing

Code	Total Number of Ways	Industrial Code	Kit Code	Color	Raw Material
22185	6	15326640	6862	black	PA 6.6



4.232 GT 280 Serie Receptacle Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool
22195	15304720	1,00 - 2,50	tin-plated brass	90028
22370	404087	1,00 - 2,50	Cu Fe Sn	90028



4.233 GT 280 Serie Tab Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool
22200	15304732	1,00 - 2,50	Cu Fe Sn	90028



4.234 GT 280 Single Wire Seal

Code	Industrial Code	Wire Size Range (mm2)	Color	Raw Material
22205	15366067	2,50 - 4,00	red	silicone

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Section n°4 - Sealed connectors & contacts

DCS-2 2,8 SERIES CONNECTORS & CONTACTS

APPLICATION: fog line source L/R New FIAT Panda
and 500L; light H8-H11.



4.235 DCS-2 2,8 Receptacle Housing

IP: 9K

Code	Total Number of Ways	Kit Code	Color
240PC023S4019	2	7031	black



4.236 DCS-2 2,8 Receptacle Contact

Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
20381	1,00 - 2,50	Cu Sn / Cr Ni	24000	3976



4.237 DCS-2 2,8 Single Wire Seals

Code	Wire Size Range (mm2)	Color
60994034	1,00 - 2,50	yellow
60994007	Plug	green

Section n°4 - Sealed connectors & contacts

HSG SERIES CONNECTORS & CONTACTS

APPLICATION: preheating control unit 1.6 and 2.0
liters MJET.



4.238 HSG Connector

Code	Total Number of Ways	Kit Code	Secondary Lock	Color	Raw Material
1718878/1	5	7076	1718879/2	black	PA 6.6



4.239 HSG Receptacle Signal Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
964273/1	964273/1	1,50 - 2,50	Pre Tin	88040	3976 + 3978



4.240 HSG Receptacle Power Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool
3419	1241418/4	4,00 - 6,00	silver	132381



4.241 HSG Single Wire Seals

Code	Industrial Code	Type	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.	Contact Size
281934/2	-	-	1,50 - 2,50	yellow	silicone	5,9	-
22110	654004	power	2,50 - 4,00	white	silicone	9	4,8

DCS 1-4,8 CONTACTS



4.242 DCS 1-4,8 Contacts

Code	Industrial Code	Wire Size Range (mm2)
20314	60040051	2,50 - 4,00



4.243 DCS 1-4,8 Single Wire Seal

Code	Raw Material
60992607	silicone

Section n°4 - Sealed connectors & contacts

630 METRIPACK SERIES CONNECTORS & CONTACTS

APPLICATION: air conditioning, cooling system.



4.244 630 METRIPACK Receptacle Housings

Code	Total Number of Ways	Industrial Code	Kit Code	Secondary Lock	Color	Raw Material
5096	2	406421	6644	400569	grey	PA 6.6
618425	3	618425	6645	609805	black	PA 6.6



4.245 630 METRIPACK Tab Housings

Code	Total Number of Ways	Industrial Code	Kit Code	Secondary Lock	Color	Raw Material
4204	2	420468	6646	400569	black	PA 6.6
616527	3	616527	6647	609805	black	PA 6.6



4.246 630 METRIPACK Receptacle Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool
4493	600280	2,50 - 4,00	Cu Fe Sn	97028



4.247 630 METRIPACK Tab Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool
8558	688558	2,50 - 4,00	Cu Fe Sn	97028



4.248 Single Wire Seal

Code	Industrial Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.
9679	652784	2,50 - 4,00	blue	silicone	10,35

Section n°4 - Sealed connectors & contacts

ASPOCK CONNECTORS & CONTACTS

APPLICATION: rear light.



4.249 ASPOCK Receptacle Housing

Code	Total Number of Ways	Kit Code	Color
7133	7	7133	black



4.250 ASPOCK Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
42238/A	42100/2	0,75 - 2,50	tin-plated brass	88074	3987
2/42238/A	42100/2	0,75 - 2,50	tin-plated brass	88074	3987

ELECTROVALVE CONNECTORS



4.251 Rectangular Electrovalve Connector 2 Ways

Code	Total Number of Ways	Type	Color	Volt
7153	2 +	Rectangular	black	12-24



4.252 Squad Electrovalve Connector 3 Ways

Code	Total Number of Ways	Type	Color	Volt
7154	3	Squad	black	12-24



4.253 Electrovalve Connector with LED

Code	Total Number of Ways	Type	Color	Volt	Led Color
7158	3	square	transparent	12-24	red

Section n°4 - Sealed connectors & contacts

DCS 9,5 SERIES CONNECTORS & CONTACTS

APPLICATION: steering column connectors for FIAT
Croma / OPEL Signum.



4.254 DCS 9,5 Series Receptacle Housing

Temperature at 23°C: 75A IP67

Code	Total Number of Ways	Kit Code	Color
30401001	2	6761	black



4.255 DCS 9,5 Series Single Wire Seal

Code	Wire Size Range (mm2)	Color	Ext. Diam.
60993303	6,00 - 10,00	red	12,6



4.256 DCS 9,5 Series Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool
20313	60070471	6,00 - 10,00	Cu Cr Si Ti	25030

Section n°4 - Sealed connectors & contacts

DOOR TO BODY

APPLICATION: door to body IVECO Daily.



4.257 50 Ways Receptacle Housing

Code	Total Number of Ways	Kit Code	Color
DTB5000FH	50	7130	black



4.258 50 Ways Tab Housing

Code	Total Number of Ways	Kit Code	Color
DTB5000MH	50	7129	black



4.259 Receptacle Contact

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Contact Size	Extraction Tool	Hand Tool
20380	211CC2S2160	1,0 - 2,0	Cu Sn	1,5	99022	3991



4.260 Tab Contact

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Contact Size	Extraction Tool	Hand Tool
20425	211CL2S2160	1,0 - 2,0	Cu Fe Sn	1,5	23036, 22006	3991

Section n°4 - Sealed connectors & contacts

BOSCH CONNECTORS & CONTACTS

APPLICATION: FFC (Front Frame Computer) IVECO.



4.261 40 Ways Connectors

Code	Total Number of Ways	Kit Code	Color	Raw Material
1928404375	40	6856	black	PA 6.6
1928404777	40	6857	grey	PA 6.6



4.262 BMK 0,6 Tab Housing

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
8014	1928498014	0,50 - 0,75	Bz Ph Sn	132225	3995 + 3992



4.263 JPT Receptacle Housing

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
929938/3	929937/3	1,00 - 2,50	Bz Ph Sn	88040	3976 + 3978



4.264 Single Wire Seals

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.	Contact Size
828904/1	1,00 - 2,00	blue	silicone	5,6	-
828905/1	2,00 - 2,50	white	silicone	5,6	2,8

Section n°4 - Sealed connectors & contacts

ELO SERIES CONNECTORS & CONTACTS HYBRID

APPLICATION: injection - ESP - ABS, engine box
unit for FIAT Multipla metan gas, FIAT Punto GPL,
New FIAT Panda (169).



4.265 ELO Hybrid Receptacle Housing 28 Ways

Engine control unit FIAT Multipla Metano, FIAT Punto GPL

Code	Total Number of Ways	Kit Code	Cover	Color
1393436/4	28	6924	1393454/5	black



4.266 ELO Hybrid Receptacle Housing 52 Ways

Engine control unit FIAT Multipla Metano, FIAT Punto GPL

Code	Total Number of Ways	Kit Code	Cover	Color
1393450/5	52	7002	1393454/9	black



4.267 ELOGED 1,5 Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool
5174	2/1411573/1	0,50-0,70	Bz Ph Sn	20016



4.268 ELOPOWER 2,8 Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Contact Size	Extraction Tool
5120	1411594/1	1,50 - 2,50	Bz Ph Sn	2,8	25060



4.269 ELO Single Wire Seals

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.	Contact Size
963530/1	0,50 - 0,75	grey	silicone	3,9	1,5
964972/1	2,00 - 2,50	yellow	silicone	3,9	1,5
963531/1	Plug	white	silicone	3,9	1,5
1393458/1	0,75 - 1,50	blue	silicone	5,7	2,8

Section n°4 - Sealed connectors & contacts

EDC 15 SERIES CONNECTORS & CONTACTS

APPLICATION: EDC15 (C7) unit.



4.270 EDC 15 Connectors 40 Ways

Code	Total Number of Ways	Kit Code	Color
1473252/1	40	7067	black



4.271 EDC 15 Connectors 81 Ways

Code	Total Number of Ways	Kit Code	Color
1473244/1	81	7068	black



4.272 EDC Receptacle Contact

Code	Industrial Code	Type	Wire Size Range (mm ²)	Raw Material	Extraction Tool	Hand Tool
3150	968221/1	signal	0,50 - 0,75	Bz Ph Sn	25060	3995



4.273 EDC Receptacle Contact

Code	Industrial Code	Wire Size Range (mm ²)	Raw Material	Extraction Tool	Hand Tool
929938/3	929937/3	1,00 - 2,50	Bz Ph Sn	88040	3976 + 3978



4.274 EDC Single Wire Seals

Code	Wire Size Range (mm ²)	Color	Raw Material	Ext. Diam.	Contact Size
828904/1	1,00 - 2,00	blue	silicone	5,6	-
828905/1	2,00 - 2,50	white	silicone	5,6	2,8

Section n°4 - Sealed connectors & contacts

64 WAYS ENGINE UNITS SERIES CONNECTORS & CONTACTS

APPLICATION: injection FIAT engine 1.2 8v, 1.2 16v, 1.4 16v.



4.275 64 Ways Receptacle Housing Black

Code	Total Number of Ways	Kit Code	Color	Application
1/284272/5	64	6832	black/black	vehicle side cables



4.276 64 Ways Receptacle Housing Grey

Code	Total Number of Ways	Kit Code	Color	Application
1/284272/6	64	6833	black/grey	motor side cables



4.277 MQS Receptacle Contact

Code	Industrial Code	Type	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
3150	968221/1	signal	0,50 - 0.75	Bz Ph Sn	25060	3995

Section n°4 - Sealed connectors & contacts

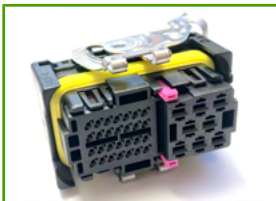
BOSCH 141 WAY CONNECTORS AND CONTACTS

APPLICATION: EDC 7, IVECO Eurocargo from 2001 onwards.



4.278 Receptacle Housing 16 Ways

Code	Total Number of Ways	Industrial Code	Kit Code	Color
6831	16	1928404201	6831	black



4.279 Receptacle Housing 36 Ways

Code	Total Number of Ways	Industrial Code	Kit Code	Color
6830	36	1928404200	6830	black



4.280 Receptacle Housing 89 Ways

Code	Total Number of Ways	Industrial Code	Kit Code	Color
6829	89	1928404195	6829	black



4.281 BMK 0,6 Contacts

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
8014	1928498014	0,50 - 0,75	Bz Ph Sn	132225	3995 + 3992



4.282 BDK 2,8 Contacts

Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
8057	1,50 - 2,50	Bz Ph Sn	24000	3976 + 3982



4.283 Single Wire Seal

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.
828904/1	1,00 - 2,00	blue	silicone	5,6

Section n°4 - Sealed connectors & contacts

MICRO POWER & POWER QUADLOCK SERIES CONNECTORS & CONTACTS

APPLICATION: engine unit - ESP - ABS, EDC16 unit box.



4.284 60 Ways Receptacle Housings

Code	Total Number of Ways	Kit Code	Color	Application
284742/1	60	6967	black	motor side



4.285 94 Ways Receptacle Housings

Code	Total Number of Ways	Kit Code	Color	Application
284743/1	94	6959	black	vehicle side



4.286 MQS CB Signal Size Receptacle Contact

Code	Industrial Code	Type	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
3150	968221/1	signal	0,50 - 0.75	Bz Ph Sn	25060	3995



4.287 MQS CB 1,5 Medium Size Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
3160	1241608/1	0,50-1,00	Bz Ph Sn	24004	3995



4.288 FLAT 2,8 Power Size Receptacle Contact

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
3417	967542/1	0,50 - 1,00	Bz Ph Sn	88040, 24000	3976 + 3982



4.289 Single Wire Seal

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.	Contact Size
828904/1	1,00 - 2,00	blue	silicone	5,6	-
828905/1	2,00 - 2,50	white	silicone	5,6	2,8



4.290 154 ways Header Connectors

Interface of 284742/1 (60 ways) and 284743/1 (94 ways).

APPLICATION: EDC16 unit box.

Code	Total Number of Ways	Type	Color
284617/1	154	Header Connectors	black

Section n°4 - Sealed connectors & contacts

196 WAYS BOSCH CONNECTORS & CONTACTS

APPLICATION: FIAT Euro 6, IVECO F1A Euro 6
(Daily my 16)



4.291 91 Ways Receptacle Housing

Code	Total Number of Ways	Industrial Code	Kit Code	Color	Application
6828	91	1928405452	6828	black	vehicle side



4.292 105 Ways Receptacle Housing

Code	Total Number of Ways	Industrial Code	Kit Code	Color	Application
6827	105	1928405455	6827	black	engine side



4.293 MATRIX 1,2 Tab Contact

Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
8991	0,35 - 0,50	Bz Ph Sn	25046	3995
8992	0,75 - 1,00	Bz Ph Sn	25046	3995



4.294 BTL 2,8 Receptacle Contact

Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
8651	1,50 - 2,50	Bz Ph Sn	99014	3976 + 3982



4.295 Single Wire Seal

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.
828904/1	1,00 - 2,00	blue	silicone	5,6

Section n°4 - Sealed connectors & contacts

192 WAYS BOSCH CONNECTORS & CONTACTS

APPLICATION: EDC17 (IVECO Euro 6) Daily from 2006, EDC 17 MINI, BMW, CITROEN DS3.



4.296 96 Ways Right Connector

Code	Total Number of Ways	Kit Code	Color	Notes
1928405312	96	6826	black	exit right



4.297 96 Ways Left Connector

Code	Total Number of Ways	Kit Code	Color	Notes
1928405384	96	6825	black	left exit



4.298 MATRIX 1,2 Tab Contact

Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
8679	0,35 - 0,75	Bz Ph Sn	25046	3995
8680	0,75 - 1,00	Bz Ph Sn	25046	3995

Section 5

Fuse and fuse holders

Section n °5

Fuse & fuse holders

LOW PROFILE FUSES AND FUSE HOLDERS	5.1
MICRO FUSES AND FUSE HOLDERS	5.3
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Section n°5 - Fuse & fuse holders

LOW PROFILE FUSES AND FUSE HOLDERS



5.1 LOW PROFILE Serie 295 Blade Fuses

Code	Industrial Code	Kit Code	Color	A	Fuse Holder
2822	FLP7005	4036	amber	5	A
2821	FLP7075	4036	brown	7,5	A
2818	FLP7010	4036	red	10	A
2819	FLP7015	4036	blue	15	A
2820	FLP7020	4036	yellow	20	A
2823	FLP7025	4036	white	25	A
2824	FLP7030	4036	green	30	A



5.2 MINI LOW PROFILE Serie Fuse Holder

Code	Type	Color	Fuse Holder
2848	shunting	black	A

MICRO FUSES AND FUSE HOLDERS



5.3 MICRO Blade Fuses

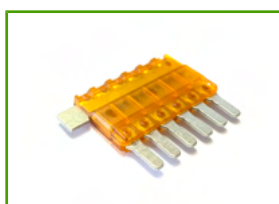
APPLICATION: american cars (es. FIAT Freemont, LANCIA Thema)

Code	Industrial Code	Kit Code	Color	A	Fuse Holder
2984	327010	4011	red	10	B
2985	327015	4011	blue	15	B
2986	327020	4011	yellow	20	B
2987	327025	4011	white	25	B
2988	327030	4011	green	30	B



5.4 MICRO Serie Fuse Holder

Code	Type	Wire Size Range (mm2)	Color	Notes	Fuse Holder
2947	shunting	1,5	black	Cable length 12 cm	B



5.5 MICRO 6 Out Fuses

Code	Color	A
F7605	yellow	5
F7675	brown	7,5

APPLICATION: Mercedes.

Section n°5 - Fuse & fuse holders

MINI FUSES AND FUSE HOLDERS



5.6 MINI Blade Fuses

NOTE: available mini blade fuses kit mix code 3301

Code	Industrial Code	Color	A	Resistor	Voltage Drop	Fuse Holder
2913	297002	grey	2	56	171	C, D, E, F
2872	297003	violet	3	34	153	C, D, E, F
2873	297004	pink	4	24	121	C, D, E, F
2874	297005	beige	5	18	129	C, D, E, F
2911	297075	brown	7,5	11	135	C, D, E, F
2875	297010	red	10	7,3	108	C, D, E, F
2876	297015	blue	15	4,5	98	C, D, E, F
2877	297020	yellow	20	3,2	96	C, D, E, F
2912	297025	white	25	2,3	86	C, D, E, F
2888	297030	green	30	1,8	87	C, D, E, F



5.7 Double exit MINI Blade Fuse

APPLICATION: NISSAN Juke, Micra.

Code	Industrial Code	Color	A
3010	337005	amber	5
3011	337075	brown	7,5
3012	337010	red	10
3013	337015	blue	15



5.8 MINI Blade Fuse holder

Code	Type	Wire Size Range (mm ²)	Color	Notes	Fuse Holder
2879	sealed	2	black	Cable length 20 + 20 cm	F



5.9 MINI Blade Fuse holder with Shunt

APPLICATION: for direct derivation from the fuse-holder control unit

Code	Type	Wire Size Range (mm ²)	Color	Notes	Fuse Holder
2981	shunting	1,5	black	Cable length 12 cm	E



5.10 MINI Fuse holder 1 Position

Code	Type	Color	Accessory Contacts	Fuse Holder
512	modular	black	929938/3	D



5.11 MINI Fuse holder 4 Positions with Protective Cap

Code	Total Number of Ways	Type	Color	Accessory Contacts	Fuse Holder
7003	4	modular	black	927781/3	C

Section n°5 - Fuse & fuse holders

ATO FUSES AND FUSE HOLDERS



5.12 ATO Blade Fuses

NOTE: available ATO blade fuses kit mix code 3302

Code	Industrial Code	Color	A	Resistor	Voltage Drop	Fuse Holder
2845	287001	black	1	123	176	G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V
2846	287002	grey	2	50	141	G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V
2850	287003	violet	3	31	137	G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V
2851	287004	pink	4	23	136	G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V
2852	287005	beige	5	18	128	G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V
2853	287075	brown	7,5	11	116	G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V
2854	287010	red	10	7,7	109	G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V
2855	287015	blue	15	4,8	102	G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V
2856	287020	yellow	20	3,3	98	G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V
2857	287025	white	25	2,5	92	G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V
2858	287030	green	30	1,9	84	G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V
2843	287035	green blue	35	1,6	87	G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V
2844	287040	orange	40	1,4	96	G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V



5.13 ATO vertical contact for modular Fuse Holder

With cover and bracket

Code	Type	Color	Accessory Contacts	Fuse Holder
946	modular	black	181904/1	G



5.14 ATO Blade Fuse holders 1 Position with 2 Contacts

NOTE: the contacts are inside the kit 6353.

Code	Kit Code	Type	Accessory Contacts	Fuse Holder
500016	6353	modular	91001	K



5.15 ATO Blade Fuse holder

Code	Type	Color	Accessory Contacts	Fuse Holder
9525	modular	black	181904/1	H

Section n°5 - Fuse & fuse holders



5.16 ATO Blade Fuse holders 1 Position

Extraction tool code 21012

Code	Type	A	Accessory Contacts	Fuse Holder
281990/2	modular	16	5186	I



5.17 ATO Blade Fuse holders White

Code	Type	A	Accessory Contacts	Fuse Holder
282159/1	modular	30	927825/1 and 963714/1	J



5.18 ATO Blade Fuse holder

Code	Type	A	Accessory Contacts	Fuse Holder
868062	modular/panel	30	3600	L



5.19 ATO modular sealed fuse holder with crimping contact

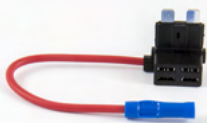
APPLICATION: engine dept.

Code	Kit Code	Accessory Contacts	Fuse Holder
012/3203/00	6969	011/3201/00 + single wire seal	O



5.20 ATO Blade Fuse holder sealed

Code	Type	Wire Size Range (mm2)	Color	Notes	Fuse Holder
2847	sealed	1,5	black	Cable length 10 + 10 cm	P
445009	sealed	2,5	orange	Cable length 10 + 10 cm	P



5.21 ATO Blade Fuse holder

APPLICATION: shunting for fuseboxes

Code	Type	Wire Size Range (mm2)	Color	Notes	Fuse Holder
2982	shunting	1,5	black	Cable length 12 cm	M



5.22 Sealed Blade Fuse holders 2 Positions

Code	Type	Color	Height	Notes	Fuse Holder
61006	sealed	black	46,5	2 positions 2 positions	R



5.23 ATO Blade Fuse holders 4 Positions

NOTE: the contacts are inside the kit 6796.

Code	Total Number of Ways	Kit Code	Wire Size Range (mm2)	Accessory Contacts	Fuse Holder
17941000000	4	6796	1,50 - 2,50	20560	N

Section n°5 - Fuse & fuse holders



5.24 Sealed Blade Fuse holders 4 Positions

Code	Type	Color	Height	Notes	Fuse Holder
61007	sealed	black	46,5	4 positions	S



5.25 Sealed Blade Fuse holders 6 Positions

Code	Type	Color	Height	Notes	Fuse Holder
61008	sealed	black	46,5	6 positions	V



5.26 ATO Blade Fuse holders 8 Positions

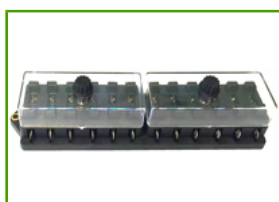
With transparent cover and topping.

Code	Total Number of Ways	Type	Wire Size Range (mm2)	Accessory Contacts	Fuse Holder
67111	8	sealed	1,00 - 2,50	42238/2	Q



5.27 ATO Blade Fuse holders 8 (4+4) positions

Code	Type	Color	Height	Accessory Contacts	Notes	Fuse Holder
61003	sealed	black	143	42238/A	4 + 4 positions	T



5.28 ATO Blade Fuse holders 12 (6+6) Positions

Code	Type	Color	Height	Accessory Contacts	Notes	Fuse Holder
61005	sealed	black	203	42238/A	6 + 6 positions	U

Section n°5 - Fuse & fuse holders

MAXI FUSES AND FUSE HOLDERS



5.29 MAXI Blade Fuses

Code	Industrial Code	Color	A	Resistor	Voltage Drop	Fuse Holder
2914	299020	yellow	20	3,1	76	V, W, X, ZC
2954	299025	grey	25	2,4	75	V, W, X, ZC
2868	299030	green	30	2	77	V, W, X, ZC
2869	299040	orange	40	1,4	75	V, W, X, ZC
2865	299050	red	50	1,1	73	V, W, X, ZC
2866	299060	blue	60	0,9	77	V, W, X, ZC
2870	299070	beige	70	0,7	73	V, W, X, ZC
2871	299080	white	80	0,6	79	V, W, X, ZC



5.30 MAXI MTA Version Fuse holder

Code	Type	Color	Accessory Contacts	Fuse Holder
2948	modular	black	1107660	ZC



5.31 MAXI Blade Fuse holders

With protection cover, contacts e screws.

Code	Type	Color	Accessory Contacts	Fuse Holder
2867	modular	black	5162	V



5.32 MAXI Blade Fuse holders Sealed

With transparent cover and topping.

Code	Type	Color	A	Accessory Contacts	Fuse Holder
2945	sealed/modular	black	80	962932/1 + single wire seal 868905/1	W

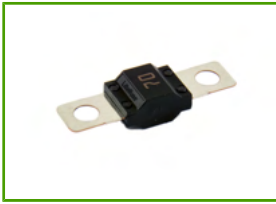


5.33 MAXI Fuse in Line Fuse holder sealed with Protective Cap

Code	Type	Color	A	Notes	Fuse Holder
2946	sealed	black	60	Cable length 15 + 15 cm	X

Section n°5 - Fuse & fuse holders

MIDI FUSES AND FUSE HOLDERS



5.34 MIDI Fuse

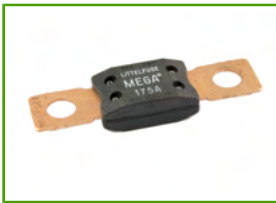
Code	Industrial Code	Color	A	Resistor	Voltage Drop	Fuse Holder
2956	498030	pink	30	2,14	65	Y, ZA
2940	498040	green	40	1,3	65	Y, ZA
2915	498050	red	50	1,04	65	Y, ZA
2941	498060	yellow	60	0,87	68	Y, ZA
2942	498070	brown	70	0,72	70	Y, ZA
2916	498080	white	80	0,56	58	Y, ZA
2917	498100	blue	100	0,45	60	Y, ZA
2943	498125	orange	125	0,4	71	Y, ZA
2944	498150	white	150	0,33	71	Y, ZA
2957	498200	violet	200	0,25	77	Y, ZA



5.35 MIDI Fuse Holder

Code	Color	Raw Material	Accessory Contacts	Fuse Holder
2909	black	thermoplastic with glass filling	Ring Tongues Hole 5,2	Y

MEGA BLADE FUSES AND FUSE HOLDERS



5.36 MEGA Fuse

Code	Industrial Code	Color	A	Resistor	Voltage Drop	Fuse Holder
2960	298080	-	80	0,65	87	Z, ZA
2920	298100	yellow	100	0,55	87	Z, ZA
2921	298125	green	125	0,43	80	Z, ZA
2922	298150	orange	150	0,35	92	Z, ZA
2923	298175	white	175	0,27	86	Z, ZA
2924	298200	blue	200	0,26	83	Z, ZA
2925	298225	beige	225	0,23	82	Z, ZA
2926	298250	pink	250	0,19	82	Z, ZA
2961	298300	grey	300	0,17	74	Z, ZA
2962	298350	green	350	0,15	68	Z, ZA
2963	298400	violet	400	0,13	64	Z, ZA
2964	298450	orange	450	0,11	60	Z, ZA
2965	298500	black	500	0,09	58	Z, ZA



5.37 MEGA Fuse Holder

Code	Color	Raw Material	Accessory Contacts	Fuse Holder
2908	black	thermoplastic with glass filling	hole 8.2	Z



5.38 Fuse Holder Electrical Junction Box

Code	Color	Raw Material	Notes	Fuse Holder
2910	black	PA 6.6	fuse holder with 1 MEGA fuse in and 4 MIDI fuses out	ZA

Section n°5 - Fuse & fuse holders

J CASE FUSES



5.39 MICRO J CASE Fuses

APPLICATION: USA cars.

Code	Industrial Code	Kit Code	Color	A
3001	695015	4037	grey	15
3003	695020	4037	blue	20
3004	695025	4037	white	25
2983	13815956	-	pink	30
3005	695040	4037	green	40



5.40 Low Profile J CASE CARTRIDGE

Code	Industrial Code	Color	A	Resistor	Voltage Drop
2966	895020	blue	20	4,86	125
2967	895025	white	25	-	100
2968	895030	pink	30	2,45	100
2969	895040	green	40	1,52	100
2971	895050	red	50	1,18	100
2972	895060	yellow	60	0,95	100



5.41 J CASE CARTRIDGE Fuses

NOTE: can be used to replace the 293.8 series

Code	Industrial Code	Color	A	Resistor	Voltage Drop
2935	495020	blue	20	4,86	125
2936	495030	pink	30	2,45	100
2937	495040	green	40	1,52	100
2938	495050	red	50	1,18	100
2939	495060	yellow	60	0,95	100

MCASE SLOTTED FUSES

APPLICATION: NISSAN and FORD.



5.42 MCASE SLOTTED Fuses

Code	Kit Code	Color	A
3014	4022	grey	15
3015	4022	blue	20
3016	4022	white	25
3017	4022	pink	30
3018	4022	green	40
3019	4022	red	50
3020	4022	yellow	60

Section n°5 - Fuse & fuse holders

PAL FUSES



5.43 PALM Fuses 293 Series Female Plug-in for Japanese Cars

Code	Industrial Code	Color	A
2890	293020	blue	20
2859	293030	pink	30
2860	293040	green	40
2891	293050	red	50
2861	293060	yellow	60



5.44 PAL Fuses 293 Series Female Plug-in

Code	Industrial Code	Type	Color	A
2885	293525	MINI	brown	25
2886	293530	MINI	green	30
2882	293545	STD	red	45
2883	293565	STD	black	65
2884	293575	STD	grey	75



5.45 PAL Fuses 283 Series Male Plug-in

Code	Industrial Code	Color	A
2901	283030	pink	30
2902	283040	green	40
2903	283050	red	50
2904	283060	yellow	60
2931	283070	grey	70
2905	283080	black	80
2932	283100	blue	100
2906	283120	beige	120



5.46 PAL Fuses 295 Series Male Plug-in

Code	Industrial Code	Color	A
2918	295030	pink	30
2919	295040	green	40
2927	295050	red	50
2899	295060	yellow	60
2928	295070	grey	70
2900	295080	black	80
2929	295100	blue	100
2930	295120	beige	120



5.47 PAL Fuses 294 Series Male Plug-in

Code	Industrial Code	Color	A
2862	294030	pink	30
2894	294040	green	40
2895	294050	red	50
2863	294060	yellow	60
2896	294070	grey	70
2864	294080	black	80
2897	294100	blue	100
2898	294120	beige	120

Section n°5 - Fuse & fuse holders

TORPEDO FUSES AND FUSES HOLDER



5.48 Fuse 214 Series Torpedo Type DIN Standard

Code	Industrial Code	Color	A	Fuse Holder
781628/3	214005	yellow	5	ZB
781628/1	-	white	8	ZB
781628/2	214016	red	16	ZB
781628/4	214025	blue	25	ZB



5.49 Torpedo Fuse Holder

Bayonet closing

Code	Color	Accessory Contacts	Fuse Holder
945	black	181904/1	ZB



5.50 Car Glass Fuse 5 x 20

Code	A
520/05	0,5
520/1	1
520/2	2
520/3	3
520/4	4
520/5	5
520/10	10



5.51 Car Glass Fuse for 6,3 x 32

Code	A
6332/2	2
6332/5	5
6332/10	10
6332/16	16
6332/20	20
6332/25	25

STRIP FUSES FOR GERMANS CARS

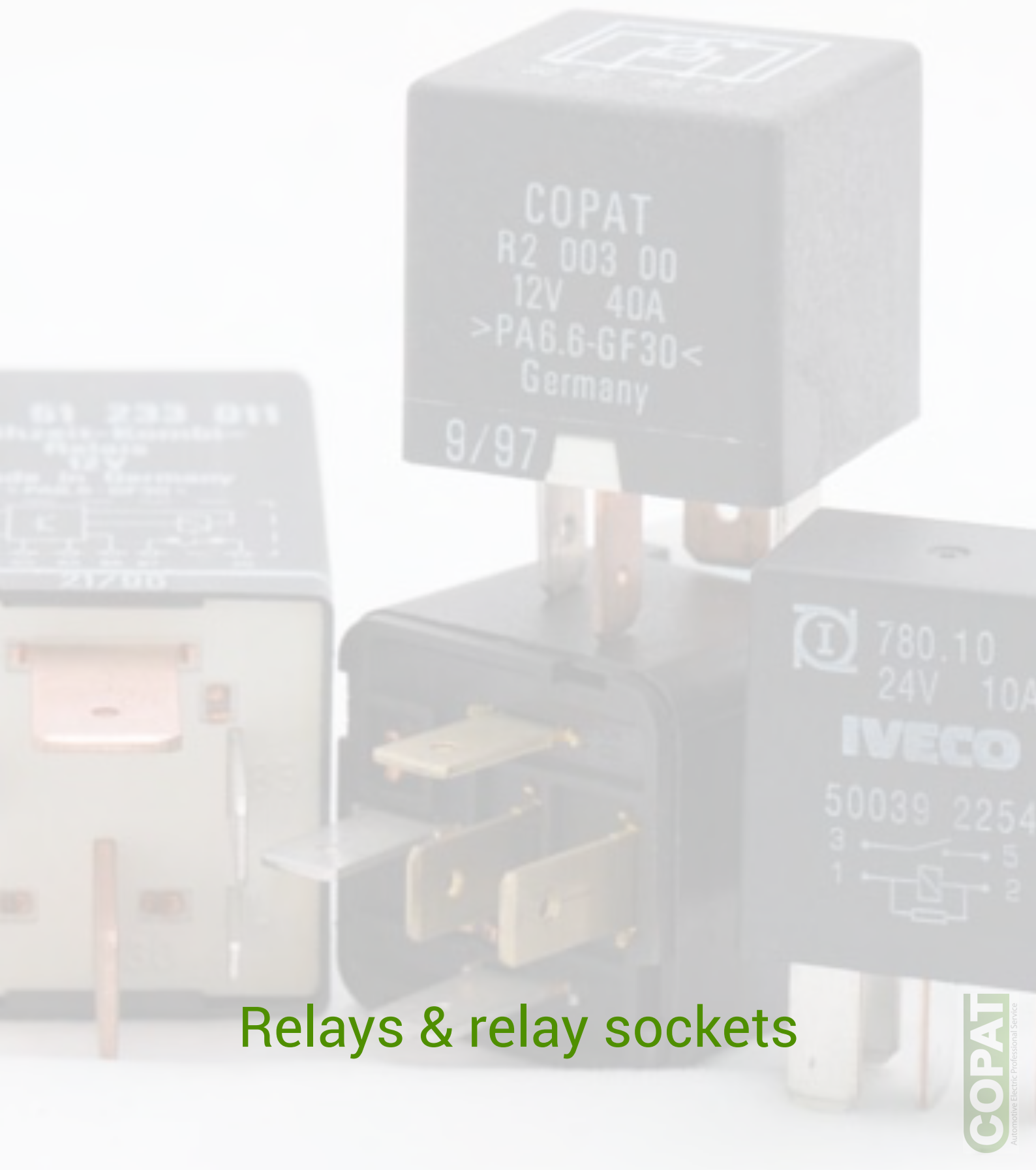


5.52 Strip Fuses

Available Kit 21100.

Code	A
2989	30
2990	40
2991	50
2992	60
2993	70
2994	80
2995	100
2996	110
2997	125
2998	150

Section 6



Relays & relay sockets

Section n °6

Relays & relay sockets

MINI RELAYS K 12V	6.1	12V 280 ULTRA MICRO RELAYS	6.2
12V 280 MICRO RELAYS	6.3	12V MICRO RELAYS FOR CARS	6.4
12V MINI RELAYS FOR CARS	6.5	12V RELAYS WITH FUSES	6.6
12V TIMED RELAYS	6.7	12V POWER RELAYS	6.8
12V FLIP FLOP RELAYS	6.9	12V RELAYS SEALED	6.10
24V MICRO RELAYS	6.11	24V MINI RELAYS	6.12
24V RELAYS WITH FUSES	6.13	24V POWER RELAYS	6.14
24V FLIP FLOP RELAYS	6.15	24V TIMED RELAYS	6.16
MICRO RELAYS SOCKET	6.17	STANDARD RELAYS SOCKET	6.21
SEALED RELAYS SOCKET	6.31	DIODES BOX	6.32

Section n°6 - Relays & relay sockets

MINI RELAYS K 12V



6.1 12V Mini Relay K

Code	Volt	Relay Electrical Diagram	N.O.	Total Relays Contacts
6/1393273/0	12	C11	10 + 10	5

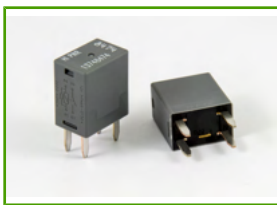
12V 280 ULTRA MICRO RELAYS



6.2 12V 280 Ultra Micro Relay

Code	Volt	Diode or Resistor	Relay Electrical Diagram	N.O.	Total Relays Contacts
13748475	12	resistor	C2	20	4

12V 280 MICRO RELAYS



6.3 12V 280 Micro Relays

Code	Volt	Diode or Resistor	Relay Electrical Diagram	N.O.	N.C.	Total Relays Contacts
13748474	12	resistor	C2	30	-	4
13814412	12	resistor	C5	20	10	5

12V MICRO RELAYS FOR CARS



6.4 12V Micro Relays

DIMENSIONS: 26 x 15 x 23 mm

Code	Volt	Diode or Resistor	Relay Electrical Diagram	N.O.	N.C.	Total Relays Contacts	Relay contacts 4.8	Relay Contacts 6.3	Relay Socket
201005	12	resistor	C5	20	10	5	3	2	A, B, C, D
201006	12	resistor	C2	20	-	4	2	2	A, B, C, D
201145	12	diode	C6	25	15	5	3	2	A, B, C, D
! 201045	12	diode	C3	25	-	4	2	2	A, B, C, D
201075	12	resistor	C2	30	-	4	2	2	A, B, C, D

Section n°6 - Relays & relay sockets

12V MINI RELAYS FOR CARS



6.5 12V Mini Relays

DIMENSIONS: 25 x 25 x 21,5 mm.

Code	Kit Code	Volt	Diode or Resistor	Relay Electrical Diagram	N.O.	N.C.	Total Relays Contacts	Relay Contacts 6.3	Relay Bracket	Relay Socket
200300	-	12	-	C1	30	-	4	4	removable	E, F, G, K, L
210003	-	12	diode	C8	30	-	5	5	removable	E, F, G, K, L
210007	3310	12	-	C9	40	-	5	5	removable	E, F, G, K, L
210064	3311	12	resistor	C5	40	30	5	5	no	E, F, G, K, L
210101	-	12	resistor	C5	40	30	5	5	removable	E, F, G, K, L
210301	-	12	diode	C6	40	30	5	5	removable	E, F, G, K, L
210001	-	12	resistor	C7	40	-	5	5	yes	E, F, G, K, L
210201	-	12	-	C4	40	30	5	5	removable	E, F, G, K, L
240230	-	12	resistor	C5	40	30	5	5	no	E, F, G, K, L
212300	-	12	-	C11	25 + 25	-	5	5	removable	E, F, G, K, L

12V RELAYS WITH FUSES



6.6 12V Relay with Fuse

Code	Kit Code	Volt	Relay Electrical Diagram	N.O.	Total Relays Contacts	Relay Contacts 6.3	Relay Bracket	Relay Socket
1609/30	3315	12	C1	30	4	4	removable	E, F, G, K, L

12V TIMED RELAYS



6.7 12V Timed Relay

NOTE: Multitimer is a timed relay used to switch the user component ON-OFF after a delay time selectable through 2 selectors on the cover. The delay it's programmable from 0.5 sec up to 6 h. The timed relay can be activated through a pulse and can be triggered by switch or push button.

Code	Volt	Relay Electrical Diagram	N.O.	Total Relays Contacts	Relay Contacts 6.3	Notes	Relay Socket
40205	12	C12	10	5	5	programmable time 0.5 sec. - 6h	E, F, G, K, L

Section n°6 - Relays & relay sockets

12V POWER RELAYS



6.8 12V Relays

Code 231180: relays layout contacts 30-87= 6mA

Code	Kit Code	Volt	Diode or Resistor	Relay Electrical Diagram	N.O.	N.C.	Total Relays Contacts	Relay Contacts 6.3	Relay contacts 9.5	Relay Bracket	Relay Socket
211516	-	12	resistor	C2	50	-	4	2	2	removable	H, I
211100	3320	12	-	C1	70	-	4	2	2	removable	H, I
211692	-	12	resistor	C2	70	-	4	2	2	no	H, I
270240	-	12	-	C4	70	40	5	2	3	removable	N
211384	-	12	-	C1	80	-	4	2	2	yes	H, I
231180	-	12	-	C1	200	-	4	2	-	yes	-
210110	3336	12	resistor	C5	100	80	5	2	3	no	N

12V FLIP FLOP RELAYS

APPLICATION: alternative to push-pull switch.



6.9 12V Flip Flop Relays

Relays layout: Contact 30: + 12/24V; Contact 31: ground; Contact 15: pulse and 87A.

Code	Volt	Polarisation	N.O.	N.C.	Relay Bracket	Relay Socket
700326	12	+	25	20	removable	E
700418	12	-	25	20	removable	E

12V RELAYS SEALED



6.10 12V Relay Sealed

The KIT included Sealed Relay Socket

Code	Kit Code	Volt	Relay Electrical Diagram	N.O.	N.C.	Relay Contacts 6.3	Relay Bracket	Relay Socket
1/1393298/3	6766	12	C4	40	30	5	removable	M

Section n°6 - Relays & relay sockets

24V MICRO RELAYS



6.11 24V Micro Relays

DIMENSIONS: 26 x 15 x 23 mm

Code	Volt	Diode or Resistor	Relay Electrical Diagram	N.O.	N.C.	Total Relays Contacts	Relay contacts 4.8	Relay Contacts 6.3	Relay Socket
401007	24	diode	C3	10	-	4	2	2	A, B, C, D
401009	24	diode	C6	15	10	5	3	2	A, B, C, D
401005	24	resistor	C2	15	-	4	2	2	A, B, C, D
401008	24	resistor	C5	20	10	5	3	2	A, B, C, D

24V MINI RELAYS



6.12 24V Mini Relays

Code	Kit Code	Volt	Diode or Resistor	Relay Electrical Diagram	N.O.	N.C.	Total Relays Contacts	Relay Contacts 6.3	Relay Bracket	Relay Socket
214300	-	24	-	C11	10 + 10	-	5	5	removable	E, F, G, K, L
410007	-	24	-	C9	20	-	5	5	removable	E, F, G, K, L
410008	-	24	diode	C8	20	-	5	5	removable	E, F, G, K, L
410201	3325	24	-	C4	20	10	5	5	no	E, F, G, K, L
410202	-	24	resistor	C5	20	10	5	5	removable	E, F, G, K, L
410203	-	24	diode	C6	20	10	5	5	removable	E, F, G, K, L
411698	-	24	-	C1	40	-	4	4	no	E, F, G, K, L

24V RELAYS WITH FUSES



6.13 24V Relay with Fuse

Code	Kit Code	Volt	Relay Electrical Diagram	N.O.	Total Relays Contacts	Relay Contacts 6.3	Relay Bracket
410200	3330	24	C1	15	4	4	removable

24V POWER RELAYS



6.14 24V Relays

Relay 440080: 2 contacts 30/87= 6mA

Code	Kit Code	Volt	Relay Electrical Diagram	N.O.	N.C.	Total Relays Contacts	Relay Contacts 6.3	Relay contacts 9.5	Relay Bracket	Relay Socket
411100	3335	24	C1	40	-	4	2	2	removable	H, I
411394	-	24	C1	50	-	4	2	2	-	H, I
440430	-	24	C4	50	40	5	2	3	-	N
470070	-	24	C1	70	-	4	2	2	removable	H, I
440080	-	24	C1	80	-	4	2	-	yes	-

Section n°6 - Relays & relay sockets

24V FLIP FLOP RELAYS

APPLICATION: alternative to push-pull switch



6.15 24V Flip Flop Relays

Relays layout: Contact 30: + 12/24V; Contact 31: ground; Contact 15: pulse and 87A.

Code	Volt	Polarisation	N.O.	N.C.	Relay Bracket	Relay Socket
700306	24	+	15	10	removable	E
700419	24	-	15	10	removable	E

24V TIMED RELAYS



6.16 24V Timing Relay

NOTE: Multitimer is a timed relay used to switch the user component ON-OFF after a delay time selectable through 2 selectors on the cover. The delay is programmable from 0.5 sec up to 6 h. The timed relay can be activated through a pulse and can be triggered by switch or push button.

Code	Volt	Relay Electrical Diagram	N.O.	Total Relays Contacts	Relay Contacts 6.3	Notes	Relay Socket
40405	24	C12	10	5	5	programmable time 0.5 sec. - 6h	E, F, G, K, L

Section n°6 - Relays & relay sockets

MICRO RELAYS SOCKET



6.17 Micro Relays Socket

Code	Total Number of Ways	Kit Code	Color	Accessory Contacts	Relay Socket
10700004	5	6753	black	3 pz 5168 + 2 pz 42238/A	A



6.18 Micro Relays Front Fixing Socket

Code	Total Number of Ways	Color	Accessory Contacts	Relay Socket
282240/1	5	black	3 pz 927779/3 + 2 pz 160773/3	B



6.19 Micro Relays Modular Fixing Socket

Code	Total Number of Ways	Color	Accessory Contacts	Relay Socket
281988/2	5	black	3 pz 927779/3 + 2 pz 160773/3	C



6.20 Micro Relays Socket White with Secondary Lock

Code	Total Number of Ways	Kit Code	Accessory Contacts	Relay Socket
284106/1	5	6949	3 pz 5168 + 2 pz 42238/A	D

STANDARD RELAYS SOCKET



6.21 Relays and Flasher Unit Socket

Code	Total Number of Ways	Kit Code	Color	Accessory Contacts	Relay Socket
10485008	9	6754	black	4 pz 160367/2 + 5 pz 42238/A	E



6.22 5 Ways Power Relay Socket

Code	Total Number of Ways	Color	Accessory Contacts	Relay Socket
280289	5	white	5 pz 42238/A	F



6.23 5 Ways Power Relay Socket for Positive Lock Contacts

Code	Total Number of Ways	Color	Accessory Contacts	Relay Socket
281856/2	5	black	5 pz 160773/3	G

Section n°6 - Relays & relay sockets



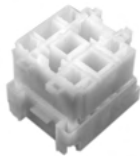
6.24 High Performance and Preheating Relay Diesel Socket

Code	Total Number of Ways	Kit Code	Color	Accessory Contacts	Relay Socket
10700005	9	6755	black	4 pz 160367/2 + 3 pz 42238/A + 2 pz	H



6.25 4 Ways Power Relay Socket

Code	Total Number of Ways	Color	Accessory Contacts	Relay Socket
281852/1	4	white	2 pz 160773/3 + 2 pz 182490/2	I



6.26 9 Ways Relay Socket

Code	Total Number of Ways	Color	Accessory Contacts	Relay Socket
282435/1	9	white	4 pz 927779/3 + 3 pz 927825/2 + 2 pz	J



6.27 Free Engine Relay Socket

Code	Total Number of Ways	Color	Accessory Contacts	Relay Socket
154746/2	5	black	5 pz 42238/A	K



6.28 5 Ways Relay Socket

Code	Total Number of Ways	Color	Accessory Contacts	Relay Socket
400372	5	black	5 pz 42238/A	L



6.29 Double Switch Power Relay Holder

Code	Color	Accessory Contacts	Relay Socket
10700017	black	4 pz 160367/2 + 2 pz 42238/A + 3 PZ	N



6.30 Relay Bracket

Code	Color
430	black

Section n°6 - Relays & relay sockets

SEALED RELAYS SOCKET

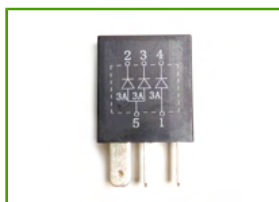


6.31 Relay Sealed Socket

* Use Single wire seal cod. 60992607

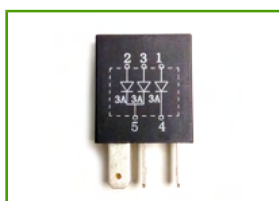
Code	Total Number of Ways	Color	Accessory Contacts	Relay Socket
10864040	5	black	3 pz 20314 + 2 pz 20317	M

DIODES BOX



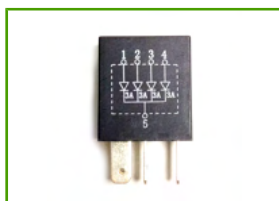
6.32 Diodes Box 3x3A OUT

Code	Volt	A	Relay Socket
546.10	1000	3 diodes of 3A OUT	A, B, C, D



6.33 Diodes Box 3X3A IN

Code	Volt	A	Relay Socket
546.30	1000	3 diodes of 3A IN	A, B, C, D



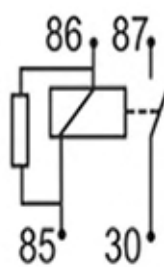
6.34 Diodes Box 4x3A IN

Code	Volt	A	Relay Socket
546.60	1000	4 diodes of 3A IN	A, B, C, D

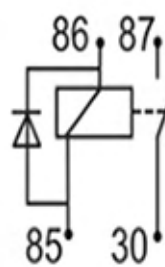
Section n°6 - Relays & relay sockets



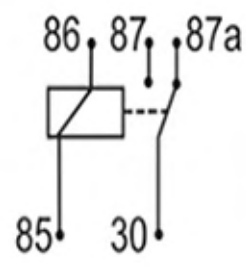
C1



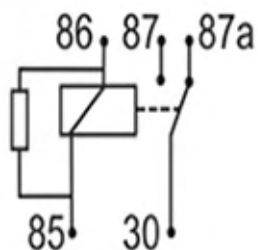
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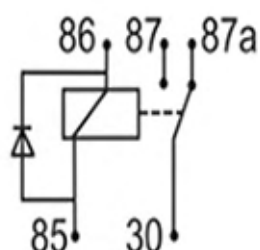
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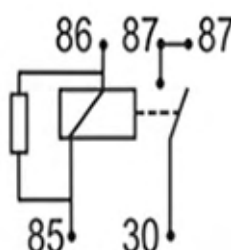
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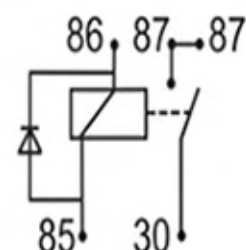
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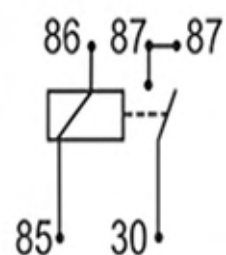
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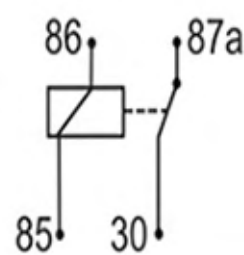
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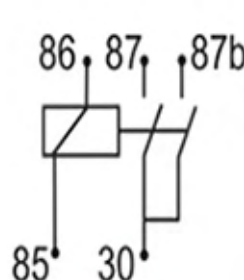
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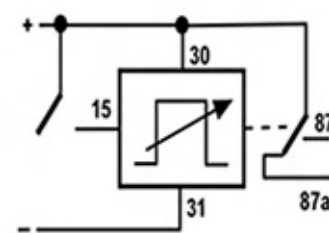
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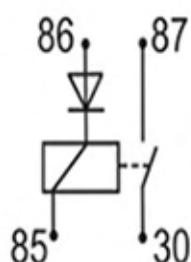
C10



C11

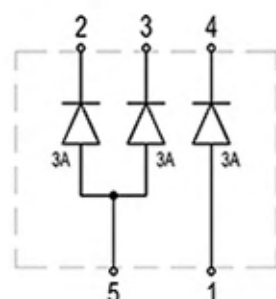


C12

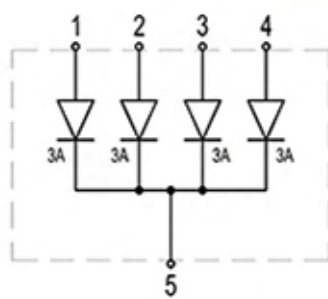


C14

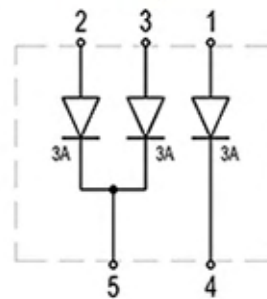
			OUT 1	OUT 2	
30	85	86	87	87a	MINI
(3)	(2)	(1)	(5)	(4)	MICRO



D1



D2



D3

Section 7



Kits

Section n °7

Kit

CONNECTIONS & CONTACTS KIT

7.1

FUSES KITS

7.6

VARIOUS KITS

7.13

Section n°7 - Kit

CONNECTIONS & CONTACTS KIT

7.1 DEUTSCH SERIE DT Connectors and Contacts Kit



APPLICATION: earth moving machines.

Code
1929

7.2 Power Terminals & Heat Shrinkable Kit



Code
4021

7.3 MCON Connectors Kit



APPLICATIONS: sensors connectors.

Code
4017

Section n°7 - Kit

7.4 FEP Connectors Kit



APPLICATION: connectors for germans cars.

Code
4019

7.5 Heavy Duty Sealed Connector Series Kit



APPLICATION: trucks connectors.

Code
4024

Section n°7 - Kit

FUSES KITS

7.6 Mini & Maxi Fuses Kit



Code

4032

7.7 Japanese Fuses Kit



Code

4030

7.8 Strip Fuses Kit



APPLICATION: germans cars.

Code

21100

Section n°7 - Kit

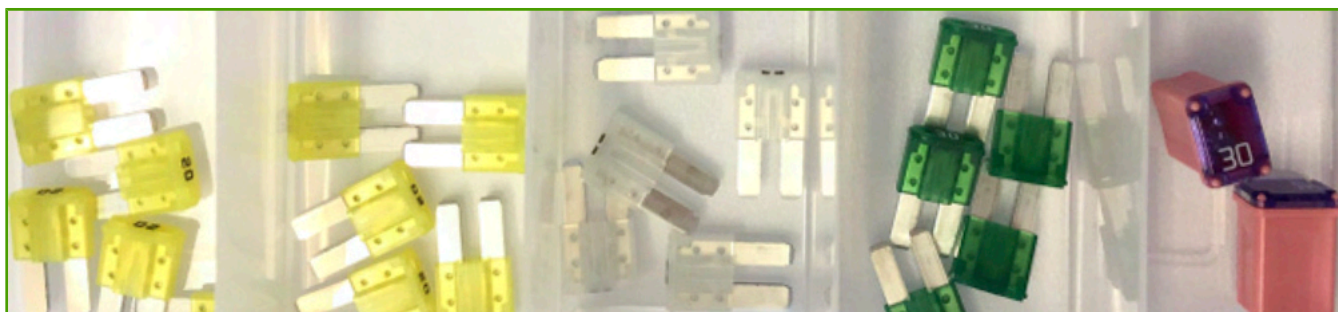
7.9 MINI LOW PROFILE Fuses Kit



APPLICATION: VOLVO, LEXUS, FORD, TOYOTA, MAZDA, PSA cars.

Code
4036

7.10 Fuses Mini Kit for FIAT FREEMONT/CHRYSLER Cars



APPLICAZIONE: FIAT FREEMONT/CHRYSLER

Code
4011

7.11 MICRO J CASE Fuses Kit



APPLICATION: american cars.

Code
4037

Section n°7 - Kit



Code
4022

VARIOUS KITS



Code
4027



Code	Application
4018	rear door cable repair

Section 8



Automotive wires

Section n °8

Automotive wires

AUTOMOTIVE PHASE 3-T3 CABLES (-40°+125°C)	8.1
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HI-FLEX CABLES	8.2
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POWER CABLES	8.3
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MULTIPOLAR CABLES	8.4
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CAN-BUS WIRE CABLES	8.5
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COILED CABLES	8.6
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BATTERY CABLES	8.15
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Section n°8 - Automotive wires

AUTOMOTIVE PHASE 3-T3 CABLES (-40°+125°C)



8.1 Phase 3-T3 Cables

Reduce insulation displacement. Temperature Range -40° +125°.

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.	A
31006	0,35	green	PVC	1,3	3,5
31005	0,5	blue	PVC	1,6	6
31055	0,5	white	PVC	1,6	6
31056	0,5	red	PVC	1,6	6
31057	0,5	black	PVC	1,6	6
31058	0,5	brown	PVC	1,6	6
31070	0,5	green	PVC	1,6	6
31071	0,5	yellow	PVC	1,6	6
31072	0,5	pink	PVC	1,6	6
31073	0,5	orange	PVC	1,6	6
31074	0,5	violet	PVC	1,6	6
31001	1	white	PVC	2,00	11
31002	1	orange	PVC	2,00	11
31003	1	blue	PVC	2,00	11
31007	1	black	PVC	2,00	11
31008	1	red	PVC	2,00	11
31009	1	green	PVC	2,00	-
31010	1	brown	PVC	2,00	11
31014	1	yellow	PVC	2,00	11
31034	1	violet	PVC	2,00	11
31035	1	pink	PVC	2,00	11
31052	1	red-black	PVC	2,00	11
31075	1	white/blue	PVC	2,00	11
31076	1	white/yellow	PVC	2,00	11
31077	1	yellow/red	PVC	2,00	11
31078	1	white/green	PVC	2,00	11
31079	1	green/red	PVC	2,00	11
31080	1	white/black	PVC	2,00	11
31081	1	white/red	PVC	2,00	11
31084	1	grey	PVC	2,00	11
31047	1,5	red	PVC	2,3	14
31048	1,5	black	PVC	2,3	14
31049	1,5	white	PVC	2,3	14
31050	1,5	brown	PVC	2,3	14
31051	1,5	blue	PVC	2,3	14
31011	2,5	red	PVC	2,9	20
31012	2,5	black	PVC	2,9	20
31045	2,5	brown	PVC	2,9	20
31063	2,5	green	PVC	2,9	20
31082	2,5	white	PVC	2,9	20
31083	2,5	blue	PVC	2,9	20
31036	4	black	PVC	3,6	28
31037	4	red	PVC	3,6	28
31053	4	brown	PVC	3,6	28
31038	6	black	PVC	4,2	37
31039	6	red	PVC	4,2	37

Section n°8 - Automotive wires

HI-FLEX CABLES

APPLICATIONS: repair of door and hatch harnesses.



8.2 HI-FLEX Cables

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.	A
31065	0,75	white	PVC	1,8	9
31066	1,5	white	PVC	2,3	14
31067	4	white	PVC	3,6	28

POWER CABLES



8.3 POWERFLEX Power Cables

High Flexibility Cables

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.	A
30040	10	black	PUR/PVC	6,2	50
30041	10	red	PUR/PVC	6,2	50
30042	16	black	PUR/PVC	7,1	68
30043	16	red	PUR/PVC	7,1	68
30025	25	black	PUR/PVC	9,8	89
30026	25	red	PUR/PVC	9,8	89
30015	35	black	PUR/PVC	9,9	111
30017	35	red	PUR/PVC	9,9	111
30019	50	black	PUR/PVC	11,8	134
30021	50	red	PUR/PVC	11,8	134
30027	70	black	PUR/PVC	13	171
30029	70	red	PUR/PVC	13	171
30065	95	black	PUR/PVC	-	-
30066	95	red	PUR/PVC	-	-

MULTIPOLAR CABLES



8.4 MULTI WIRE Cables

The wire 30031* is a flat cable and respect ADR rules.

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.	A
30064	2x0,50	black	PVC	4x2,5	6
30013	2x1,00	black	PVC	5,4	11
30016	2x1,50	black	PVC	6,2	14
30031	2x1,50	black	PUR/PVC	4,8	14
30067	2x2,50	black	PVC	7,8	20
30068	2x4,00	black	PVC	9,2	28
30046	3x1,00	black	PVC	5,7	11
30033	4x1,00	black	PVC	6,3	11
30061	5x1,00	black	PVC	6,8	11
30028	6x1 + 1x2,50	black	PVC	9,3	11 + 20
30063	7x1 + 1x2,50	black	PVC	9,3	11 + 20
30062	8x1,00	black	PVC	9	11
30060/30	15 (12x1 + 3x2,5)	black	PVC	13	11 + 20

Section n°8 - Automotive wires

CAN-BUS WIRE CABLES



8.5 CAN-BUS Wire Cable

Code	Wire Size Range (mm2)	Color	Raw Material	Ext. Diam.	Temperature Range
30059	0,50	violet	PVC	4,9	105°

Twisting pitch: 47 turns / meter. Shielding in red copper with 88% of surface. Outer sheath in purple PVC with tube (easy stripping). High flexibility. Signal loss guaranteed up to 500 M.

COILED CABLES



8.6 3 Wires Coiled Cable

Code	Wire Size Range (mm2)	Color	Raw Material	Height
8307663/0	3x1,00	red,white,green	PU	3,0 mt



8.7 7 Wires Coiled Cable

Code	Wire Size Range (mm2)	Color	Raw Material	Height
155795	7x1	black	PU	4,5 mt



8.8 Coiled Cables for ABS

Code	Wire Size Range (mm2)	Raw Material	Ext. Diam.
38107-50	2x4,00 + 5x1,50	PU	12,5
38315-50	2x4,00 + 3x1,50	PU	11,5



8.9 Coiled Cable 7 Wires 24V with 2 Undermoulded White plug Connectors European Standard ISO 3731

Code	Wire Size Range (mm2)	Volt	Raw Material	Height	Notes 2
155799	6x1,00 + 1x2,50	24	thermoplastic	4,0 mt	ISO 3731



8.10 Coiled Cable 7 Wires 24V with 2 Undermoulded Black Connectors

Code	Wire Size Range (mm2)	Volt	Raw Material	Height	Notes 2
155797	6x1,00 + 1x2,50	24	thermoplastic	4,0 mt	ISO 1185



8.11 Coiled Cable with 2 Undemoulded Plug Connectors for EBS

Code	Wire Size Range (mm2)	Volt	Height	Notes 2
3800	5x1,50 + 2x4,00	24	3,5 mt	ADR ISO 7638-1

Section n°8 - Automotive wires



8.12 Adaptor Coiled Cable for Connection Truck (15 Ways Pin Socket) Trailer (2x7 Ways Rec Sockets)

Code	Volt	Height
65701	24	4,0 mt



8.13 Coiled Cable with 2x15 Ways Pin Sockets

Code	Volt	Height
65611	24	4



8.14 2 Wires Coiled Cable

Code	Wire Size Range (mm2)	Color	Length
155791	2x35	red, black	4,5 mt

BATTERY CABLES



8.15 Battery Cable Connector

Code	Wire Size Range (mm2)	Height
85031	35	177 mm



8.16 Battery Cable Connector

Code	Wire Size Range (mm2)	Height
85027	50	300 mm



8.17 Battery Cable Connector

Code	Wire Size Range (mm2)	Height
85028	50	400 mm

Section 9



Harness accessories

Section n °9

Harness accessories

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OPEN CONVOLUTED TUBES	9.11
CLOSED CONVOLUTED TUBES	9.12
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Section n°9 - Harness accessories

TAPES



9.1 Heat reflective tape

Code	Color	Raw Material	Depth
1950	silver	aluminum coating	25



9.2 Black Ryon Adhesive Tape

Code	Color	Raw Material	Width	Depth
1925B	black	fabric	19	30



9.3 PVC Tapes

Code	Color	Raw Material	Width	Depth
1500	black	PVC	15	10
1900	black	PVC	19	25



9.4 Velcro Tape Male-Female

Code	Color	Raw Material	Width	Depth
1930	black	adhesive velcro M/F	19	30



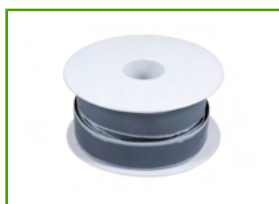
9.5 Velcro Tape M

Code	Color	Raw Material	Width	Depth
1935	black	adhesive velcro M	19	1



9.6 Velcro Tape M 50 mm longer

Code	Color	Raw Material	Width	Depth
1936	black	adhesive velcro M	50	25



9.7 Velcro Tape 20 mm longer

Code	Color	Raw Material	Width	Depth
1937	black	velcro tape	20	50

Section n°9 - Harness accessories



9.8 Amalgamating Tape

Temperature Limits: - 40C +100C

Code	Color	Raw Material	Width
2517	black	autobond	25



9.9 American Tape

Code	Color	Raw Material	Width	Depth
1956	silver	aluminum / fabric	50	50



9.10 Tape Anti Noise

Code	Color	Raw Material	Width	Depth
1957	black	pannose	19	5

Section n°9 - Harness accessories

OPEN CONVOLUTED TUBES

9.11 Open Convoluted Tubes



NOTE: not use code 7077 (cap. 11) COLOR: black, MATERIAL: self-extinguishing propylene, TEMPERATURE: -30 ° + 105 ° C

Code	Industrial Code	Inustrial Package	Ext. Diam.	Diameter	Standard Package
PFR4	00669	4000	7,2	4,3	100
PFR6	00670	4250	9,5	6	100
PFR9	00671	2400	11,3	9	100
PFR11	00672	1600	16,4	11	100
PFR13	00673	1250	18,4	13	100
PFR16	00674	900	21,2	16	50
PFR19	00675	750	24	19	50
PFR23	00676	500	28,6	23	25
PFR26	00677	350	31,7	25,5	25
PFR29	01385	300	35,9	29	25
PFR32	00678	250	39,4	32	25

CLOSED CONVOLUTED TUBES

9.12 Closed Convoluted Tubes



NOTE: COLOR: black, MATERIAL: self-extinguishing propylene, TEMPERATURE: -30 ° + 105 ° C

Code	Industrial Code	Inustrial Package	Ext. Diam.	Diameter	Standard Package
GAF4.5	13606	4000	7,8	4,3	100
GANF7.5	02025	4000	10	6,7	50
GANF8.5	03018	2500	11,7	8,4	50
GANF10	00835	2400	13	9,9	50
GANF12	00836	1600	15,7	12,2	50
GANF17	06075	900	21,2	16,6	50
GANF22	05297	500	25,4	21,3	50
GANF29	18055	300	34,5	29	25

Section n°9 - Harness accessories

TEXTILE SLEEVE SELF CLOSING

APPLICATION: all harnesses.

9.13 Textile Sleeve Self Closing NU GUARD SC-P



FEATURES: T4 (-40° + 150°C), abrasion resistance, fluid resistance (oil, fuel, gasole, break fluid and cool fluid).

MAX temperature range 175°C for 200 h.

Code	Industrial Code	Inustrial Package	Diameter	Initial Diameter	Final Diameter	Standard Package
18930	-	-	8	6	8	8
18931	-	-	10	9	10	5
18932	-	-	13	11	13	5
18933	-	-	16	14	16	5
18934	-	-	19	17	19	4
18935	-	-	25	20	25	2,5
18936	35728	400	8	6	8	50
18937	37686	200	10	9	10	50
18938	35729	200	13	11	13	50
18939	35730	160	16	14	16	40
18940	37687	100	19	17	19	25
18941	35731	250	25	20	25	25

Section n°9 - Harness accessories

TEXTILE SLEEVE EXPANDABLE BRAIDED SLEEVING

9.14 Textile Sleeve Expandable Braided Sleaving



NOTES: COLOR: black, MATERIAL: polyester, TEMPERATURE: -50 ° + 105 ° C

Code	Industrial Code	Inustrial Package	Diameter	Final Diameter	Standard Package
18906	T46	100	6	12	16
18910	T410	100	10	18	12
18912	T412	50	12	22	9
18915	T415	50	15	25	7
18920	T420	50	20	30	6
18925	T425	50	25	38	5
T440	-	50	40	60	-
T450	-	50	50	72	-

Section n°9 - Harness accessories

HEAT SHRINCABLE WITHOUT GLUE SHRINK RATIO 2:1

9.15 Heat Shrinkable 2:1 without



NOTES: COLOR: black, MATERIAL: polyolefin, Low-Shrink temperature.

Code	Industrial Code	Inustrial Package	Height	Initial Diameter	Final Diameter	Standard Package
LSTT 1.6	LSTT 1.6	600	0,5	1,6	0,8	-
727003	LSTT-2.4	300	0,55	2,4	1,2	12
727004	LSTT 3.2	300	0,55	3,2	1,6	12
727005	LSTT 4.8	300	0,55	4,8	2,4	10
727006	LSTT 6.4	150	0,65	6,4	3,2	10
727007	LSTT 9.5	150	0,65	9,5	4,8	7
727008	LSTT 12.7	150	0,65	12,7	6,3	7
727023	LSTT 19.0	150	0,8	19	9,5	5
727010	LSTT 25.4	60	0,95	25,4	12,7	5
727011	LSTT 38.0	60	1,05	38	19	3

HEAT SHRICABLE WITH GLUE SHRINK RATIO 3:1

9.16 Heat Shrinkable 3:1 with Glue



NOTES: COLOR: black, MATERIAL: polyolefin, flame-retardant.

Code	Industrial Code	Inustrial Package	Height	Initial Diameter	Final Diameter	Standard Package
727012	CGAT 3/1	150	0,5	3	1	12
727014	CGAT 6/2	250	0,75	6	2	8
727015	CGAT 9/3	200	0,75	9	3	6
727016	CGAT 12/4	200	0,75	12	4	5
727017	CGAT 18/6	150	0,85	18	6	4
727018	CGAT 24/8	80	1	24	8	2,5
727019	CGAT 39/13	60	1,15	39	13	1,2

Section n°9 - Harness accessories

HARNESS ACCESSORIES



9.17 Standard Cable Ties According MIL-S-23190E

Code	Industrial Code	Color	Raw Material	Width	Height
2/160967/2	4/160967/2	black	polyamide 6.6	2,5	98
2/160968/2	4/160968/2	black	polyamide 6.6	2,6	134
2/160973/2	4/160973/2	black	polyamide 6.6	4,5	160
4/160969/2	-	black	polyamide 6.6	2,6	200
2/160975/2	4/160975/2	black	polyamide 6.6	4,8	200
4/160963/2	-	black	polyamide 6.6	3,6	290
2/160977/2	4/160977/2	black	polyamide 6.6	4,8	290
2/160983/2	4/160983/2	black	polyamide 6.6	7,8	365
2/160978/2	4/160978/2	black	polyamide 6.6	4,8	370
2/160984/2	-	black	polyamide 6.6	7,8	450



9.18 Two Ways Adhesive Mount

glue setting time: 24H

Code	Color	Raw Material	Width	Height
2/100691/2	black	polyamide 6.6	19	19
2/100692/2	black	polyamide 6.6	26	26



9.19 Cable Adhesive Mount

Code	Color	Raw Material	Width	Height
9482	black	polyamide 6.6	19	19
9483	black	polyamide 6.6	26	26



9.20 150 & TIMER Series Water Proof Covers

Code	Total Number of Ways	Color	Raw Material	Height
75553	2	black	NBR	65
76319	3	black	NBR	65
75554	4	black	NBR	65
75555	5	black	NBR	65
76320	7	black	NBR	65

Section n°9 - Harness accessories



9.21 Deutsch DT Series Water Proof Covers

Code	Total Number of Ways	Type	Color	Application
75570	2	for tab housing	black	DT06-2S
75571	2	for receptacle housing	black	DT04-2P
75572	3	for receptacle housing	black	DT06-3S
75573	3	for tab housing	black	DT04-3P
75574	4	for receptacle housing	black	DT06-4S
75575	4	for tab housing	black	DT04-4P
75576	6	for receptacle housing	black	DT06-6S
75577	6	for tab housing	black	DT04-6P
75578	8	for receptacle housing	black	DT06-8S
75579	8	for tab housing	black	DT04-8P
75580	12	for receptacle housing	black	DT06-12S
75581	12	for tab housing	black	DT04-12P



9.22 Multisize Adapters

Code	Total Number of Ways	Color	Raw Material	Temperature Range	Application
75557	2	black	PA 6.6	-40°C + 150°C	Connectors 282080/1 and 282104/1
75558	3	black	PA 6.6	-40°C + 150°C	Connectors 282087/1 and 282105/1
75559	4	black	PA 6.6	-40°C + 150°C	Connectors 282088/1 and 282106/1
75556	10	black	PA 6.6	-40°C + 150°C	Connectors 2820943/1 and 282943/2

Section n°9 - Harness accessories

METAL CLAMPS



9.23 TC 9 mm Metal Clamps

Code	Raw Material	Initial Diameter	Final Diameter
108	galvanized steel	8	12
110	galvanized steel	10	16
112	galvanized steel	12	20
116	galvanized steel	16	25
120	galvanized steel	20	32
125	galvanized steel	25	-
132	galvanized steel	32	50
140	galvanized steel	40	60
155	galvanized steel	50	70
160	galvanized steel	60	80
170	galvanized steel	70	90



9.24 SX 12 C Metal Clamps

Code	Raw Material	Initial Diameter	Final Diameter
1235	galvanized steel	25	40
1230	galvanized steel	30	45
1232	galvanized steel	32	50
1240	galvanized steel	40	60
1250	galvanized steel	50	70
1260	galvanized steel	60	80
1270	galvanized steel	70	90
1290	galvanized steel	90	110



9.25 SM 9 mm Metal Clamps

Code	Raw Material	Diameter
198	galvanized steel	8
199	galvanized steel	9
100	galvanized steel	10
101	galvanized steel	11
102	galvanized steel	12
1113	galvanized steel	13
1114	galvanized steel	14
1115	galvanized steel	15



9.26 Metal Clamps with Rubber Coating

APPLICAZIONE: corrugato e tubi.

Code	Raw Material	Diameter
2108	galvanized steel	8
153	galvanized steel	10
252	galvanized steel	14
351	galvanized steel	16
405	galvanized steel	18
559	galvanized steel	22
603	galvanized steel	24
630	galvanized steel	30
640	galvanized steel	40

Section n°9 - Harness accessories



9.27 Steel Self Locking Metal Clamp

APPLICATION: control speed universal joint

Code	Raw Material	Width	Height
115	stainless steel	7,9	360
119	stainless steel	7,9	520



9.28 Ties for constant velocity universal joint

NOTE:hand tools 529.

Code	Raw Material	Initial Diameter	Final Diameter
118	stainless steel	24	60
122	stainless steel	45	120

SALTING TIN



9.29 Special Version for Copper-Aluminium Salting

NOTE:standard ROHS.

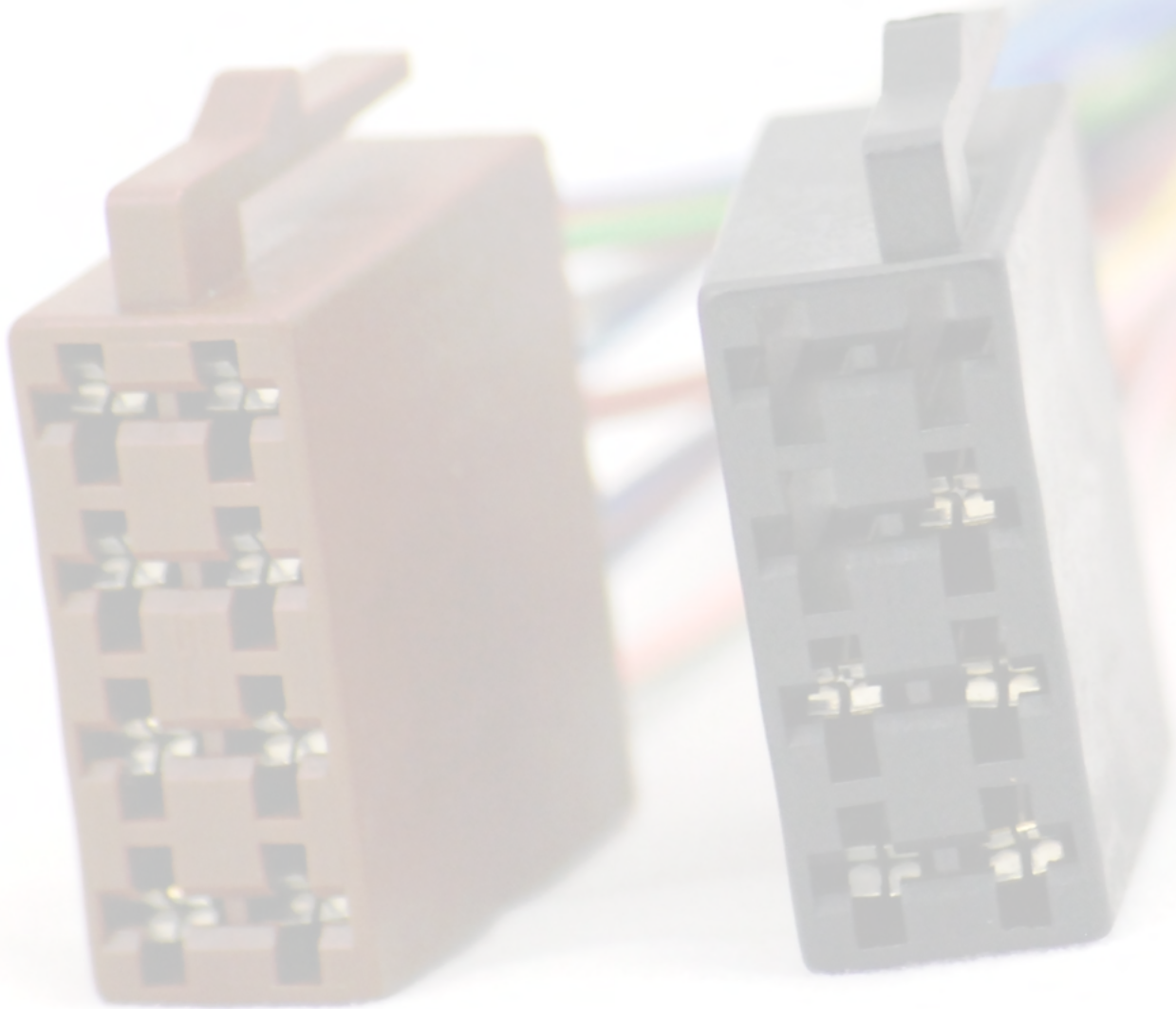
Code	Diameter	Notes
9210	1,5	weight 250 gr



9.30 Salting Tin without Pickling Core

Code	Diameter	Notes
9205	2	weight 500 gr
9207	1,2	weight 500 gr

Section 10



Cable harnesses

Section n °10

Cables harnesses

HARNESS CONNECTOR KIT	10.1
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AUDIO SYSTEM HARNESS	10.2
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HARNESS CONNECTOR KIT SOCKED LIGHTING	10.3
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HARNESS CONNECTORS KIT LIGHT	10.19
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HARNESS FOR INJECTION	10.23
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ADAPTER HARNESS CONNECTORS KIT	10.35
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VARIOUS HARNESS	10.38
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Section n°10 - Cables harnesses

HARNESS CONNECTOR KIT



10.1 OBD II Cable Bridles to Assembly

Not assembly

Code	Application
4025	pin for OBD II pin socket

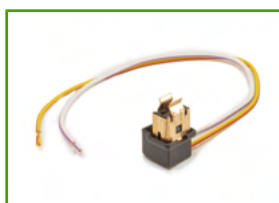
AUDIO SYSTEM HARNESS



10.2 Cable Bridles ISO Connectors Kit

Code	Application
6684	radio connection with ISO connection

HARNESS CONNECTOR KIT SOCKED LIGHTING



10.3 Harness Connectors Kit H1 Socked Lighting

Code	Socket	Application
6984	P 14,5 s	H1



10.4 Harness Connectors Kit HB3 Socked Lighting

Code	Socket	Application
6980	P 20 d	HB3



10.5 Harness Connectors Kit H4 Socked Lighting

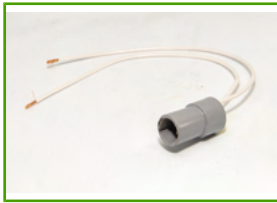
Code	Socket	Application
6728	P 43 t	H4/R2



10.6 Harness Connectors Kit HB4 Socked Lighting

Code	Socket	Application
6981	P 22 d	HB4

Section n°10 - Cables harnesses



10.7 Harness Connectors Kit H6 Socked Lighting

Code	Kit Code	Socket	Application
6982	6982	BAx9s	H6



10.8 Harness Connectors Kit H7 Socked Lighting

Code	Socket	Application
6727	PX 26 d	H7



10.9 Harness Connector Kit H8 - H11 Socked Lighting

Code	Total Number of Ways	Socket	Color	Application
6983	2	PGJ19 - 1/PGJ19-2	black/orange	H8 - H11



10.10 Harness Connector Kit H7 FIAT 500 Lighting

Code	Socket	Application
6743	PX 26 d	FIAT 500 dipped



10.11 Harness Connector Kit Lamp wiring T20 21/5 FCA Lighting

Code	Socket	Application
6750	W3x16q	position + daytime FIAT 500, FIAT 500X, Ducato and IVECO Daily



10.12 Harness for SUPERSEAL Lighting Connectors Kit

Code	Socket
6972	W2,1x9,5d



10.13 Harness Lighting Connectors Kit with ORING

Code	Socket
6973	W2,1x9,5d



10.14 Harness Lighting Connectors Kit 1 wire

Code	Socket
6974	BA 9 s

Section n°10 - Cables harnesses



10.15 Harness Lighting HConnectors Kit 2 wires

Code	Socket
6975	BA 9 s



10.16 Harness Lighting Connectors Kit with ORING

Code	Socket	Application
6976	W2,1x9,5d	W5W/W3W



10.17 Harness Lighting Swiveling Connectors Kit

Code	Socket	Application
6977	W2,1x9,5d	W5W/W3W



10.18 Harness Lighting Connectors Kit BA 015 Socked

Code	Socket
6979	BA 15 s

HARNESS CONNECTORS KIT LIGHT



10.19 Harness Socked Lighting 2 Ways JPT

Code
6970



10.20 Harness Harness Connectors Kit 2 Ways JPT

Code
6971



10.21 Harness Connectors Kit Rear Lights for FIAT Ducato

Code	Application
6817	FIAT DUCATO rear light

Section n°10 - Cables harnesses



10.22 Multilock Harness Connector Kit

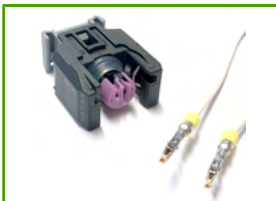
Code	Application
7198	front ceiling light, license plate, FIAT 500L and FIAT Panda 319 rear handle, JEEP speakers

HARNESS FOR INJECTION



10.23 RENAULT Trucks Injection Harness Connectors Kit

Code	Total Number of Ways	Application
50012	4	RENAULT TRUCKS



10.24 PIEZO DELPHI Injection Harnesse Connectors Kit

Code	Total Number of Ways	Application
50011	2	PIEZZO DELPHI



10.25 DELPHI Injection Harness Connectors Kit

Code	Total Number of Ways	Application
50010	2	DELPHI



10.26 MERCEDES-BMW Injection Harness Connectors Kit

APPLICATION: SCANIA lights.

Code	Total Number of Ways	Application
50009	2	VW-AUDI



10.27 VW-AUDI Injection Harness Connectors Kit

Code	Total Number of Ways	Application
50008	2	MERCEDES-BMW



10.28 IVECO Injection Harness Connectors Kit

Code	Total Number of Ways	Application
50007	2	IVECO

Section n°10 - Cables harnesses



10.29 BRC Injection Harness Connectors Kit

Code	Total Number of Ways	Application
50006	2	BRC



10.30 MJET 2 Injection Harness Connectors Kit

Code	Total Number of Ways	Application
50005	2	MJET 2



10.31 2.3 MJET Injection Harness Connectors Kit

Code	Total Number of Ways	Application
50004	2	2.3 MJET



10.32 JTD Injection Harness Connectors Kit

Code	Total Number of Ways	Application
50003	2	JTD



10.33 JTD Injection Harness Connectors Kit

Code	Total Number of Ways	Application
50002	2	JTD



10.34 PSA Injection Cable Bridle Connectors Kit

Code	Total Number of Ways	Application
50001	2	PSA

Section n°10 - Cables harnesses

ADAPTER HARNESS CONNECTORS KIT



10.35 F1C IVECO Daily EGR Adapter

Code	Original Reference	Application
50013	504388738	IVECO Daily EGR valve adapter F1C



10.36 F1A IVECO Daily EGR Adapter

Code	Original Reference	Application
50013/A	504388760	IVECO Daily EGR valve adapter F1A



10.37 FCA Group Lighting Adapter

Code	Application
7069	light adaptor FCA

VARIOUS HARNESS



10.38 Cable Kit for Pluton Connector

Code	Kit Code	Application
7078	7078	Body computer FIAT Panda (169) dal 2003 al 2012



10.39 Cable Kit for Rear Doors FCA All Models

Code	Application
4018	rear door cable repair

Section 11

Tools

Section n °11

Tools

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Section n°11 - Tools

HAND TOOL "F" CRIMP WITHOUT SINGLE WIRE SEAL



11.1 Crimping Plier Manual F

Code	Wire Size Range (mm2)	Application
3974	0,50 - 6,00	terminals with F crimping



11.2 Professional Hand Tool "F" Crimp without Single Wire Seal Vertical Handle

NOTE: ex code 3975.

Code	Wire Size Range (mm2)	Application
3991	0,15 - 1,50	contacts without single wire seal



11.3 Hand Tool for Preinsulated Contacts

Code	Wire Size Range (mm2)	Application
9049	0,50 - 6,00	contacts without single wire seal



11.4 Professional Hand Tool "F" Crimp without Single Wire Seal Orizontal Handle

Code	Wire Size Range (mm2)	Application
3987	1,50-6,0	contacts without single wire seal

HAND TOOL "F" CRIMP WITH SINGLE WIRE SEAL



11.5 Professional Hand Tool "F" Crimp for Contacts with Single Wire Seal

Code	Wire Size Range (mm2)	Application
3976	0,35 - 1,50	contacts with single wire seal



11.6 Locators for Hand Toll with Single Wire Seal

Code 3980 SERIAL

Code	Wire Size Range (mm2)	Application
3982	0,35 - 1,50	AMP MCP contacts
3978	0,35 - 1,50	JPT contacts
3980	0,35 - 1,50	SUPERSEAL contacts

Section n°11 - Tools

HAND TOOL FOR OVERLAP TERMINAL WITHOUT SINGLE WIRE SEAL



11.7 Professional Hand Tool for MQS OVERLAP Contacts

Code	Wire Size Range (mm ²)	Application
3995	0,35 - 0,75	overlap contacts with single wire seal



11.8 Locators for OVERLAP Hand Tools without Single Wire Seal

Code 3981 SERIAL

Code	Wire Size Range (mm ²)	Application
3981	0,35 - 0,75	MQS contacts
3992	0,35 - 0,75	CP 0,6 contacts
3993	0,35 - 0,75	MICROPOWER TIMER contacts

HAND TOOL FOR OVERLAP TERMINAL WITH SINGLE WIRE SEAL



11.9 Professional Hand Tool for OVERLAP Contacts with Single Wire Seal

Code	Wire Size Range (mm ²)	Application
3989	0,50 - 1,50	overlap contacts with single wire seal



11.10 Locators for OVERLAP Hand Tools with Single Wire Seal

Code 3989/2 SERIAL

Code	Wire Size Range (mm ²)	Accessory Contacts	Application
3989/1	0,50 - 1,50	5184 -5195 - 964274/2 - 962876/5	MICRO POWER TIMER contacts with single wire seal
3989/2	0,50 - 1,50	3415-3416	AMP MCP 1,5 contacts
3989/3	0,50 - 1,50	962885/1	MQS contacts with single wire seal
3989/4	0,50 - 1,50	1452668/1	MCON 1,2 contacts

Section n°11 - Tools

HAND TOOL FOR PREINSULATED CONTACTS



11.11 Hand Tool Professional for Preinsulated Contacts

Code	Wire Size Range (mm2)	Application
9007	0,50 - 6,00	preinsulated contacts until 6 mmq

HAND TOOL FOR POWER CONTACTS



11.12 Hand Tool for 10-25 mmq Wire Size Rang Contacts

Code	Wire Size Range (mm2)	Application
3985	10-25	ring tongues power contacts 10-25 mmq



11.13 Hand Tool for 10-95 mmq Wire Size Range Contacts

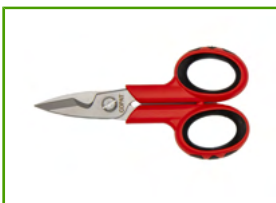
Code	Wire Size Range (mm2)	Application
9038	10-95	ring tongues power contacts until 95 mmq

SCISSORS & WIRE STRIPPERS



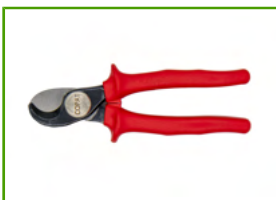
11.14 Wire Stripper EMBLA VBC

Code	Wire Size Range (mm2)
3977	0,15 - 6,00



11.15 Scissors SC3X

Code	Raw Material
91263	inox



11.16 Professional Wire Cutting

Code	Wire Size Range (mm2)	Application
3986	0,35 - 90	for cables of section up to 90 sq. mm

Section n°11 - Tools

EXTRACTION TOOLS FOR CONTACTS



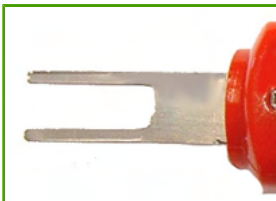
11.17 Extraction Tools for MINI-ATO Fuse

Code	Application
2849	mini - ato fuse



11.18 Extraction Tool for Signal Contacts

Code	Notes	Application
20016	preheating unit; ABS	TYCO MQS; KOSTAL; ABS connectors; BOSCH MATRIX 1,2



11.19 Extraction Tool for MOLEX Spades Contacts

Code	Notes	Application
21012	head light	DELPHI contact 90° 3,8, DELPHI lamp socket; ATO fuse holders 281990/2



11.20 Extraction Tool for LEAR MKR / MKS Contacts

Code	Notes	Application
21054	sectioning; diagnostics; headlights	LEAR (G & H) series MKR / MKS



11.21 Extraction Tool for SUPERSEAL 0,7 - ECONOSEAL 150 Contacts

Code	Notes	Application
22006	dashboard, car inside and engine sensor	TYCO Superseal 0,70, Econoseal 150, AMP MCP 1,5, ML 0,7; MOLEX NSCC 1,5



11.22 Extraction Tool for SICMA M II - III Contacts

Code	Notes	Application
23036	Air Bag and car inside	FCI Sigma tab contact series II and III



11.23 Extraction Tool for JPT SPT - DCS - AFK - DFK - ATS - DSQ Contacts

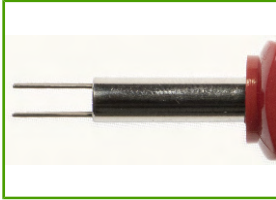
Code	Notes	Application
24000	preheating unit and sensor engine, ABS	TYCO series JPT, SPT; FCI series DCS 1/2; LEAR AFK/DFK 2,8; DELPHI ATS/DSQ 2,8, BOSCH SDK 2,8

Section n°11 - Tools



11.24 Extraction Tool for CLEAN BODY 1,5 Contacts

Code	Notes	Application
24004	preheating unit interconnection Iveco	TYCO Clean Body MQS 1,5



11.25 Extraction Tool for 4 Springs BOSCH BSK / BDK 2,8 Contacts

Code	Notes	Application
24006	Bosch injection system common rail	AMP MCP 2,8 (4 springs contact) BOSCH BSK / BDK 2,8



11.26 Extraction Tool for MOLEX CP 1,5 Contacts

Code	Notes	Application
24008	Bosch injection system common rail	MOLEX (CINCH) series CP 1,5



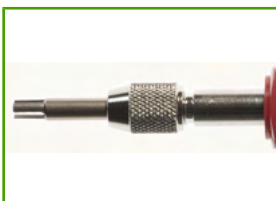
11.27 Extraction Tool for DEUTSCH (Blue) Contacts

Code	Notes	Application
24060	truck	DEUTSCH series DT (blue)



11.28 Extraction Tool for LEAR Serie VKR Contacts

Code	Notes	Application
24090	various	LEAR (G & H) series VKR



11.29 Extraction Tool for Diam. 1,5 - LEAR RSA Contacts

Code	Notes	Application
25014	diagnostic sectioning and truck lights	TYCO series diam. 1,5 e LEAR (G & H) series RSA



11.30 Extraction Tool for AMP MCP 9,5 Contacts

Code	Notes	Application
25030	power, preheating unit	AMP MCP 9,5; DCS I



11.31 Extraction Tool for Secondary Lock VW

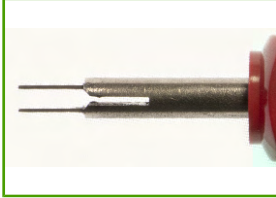
Code	Notes	Application
25046	dash board, inside car	VW 1A0972695

Section n°11 - Tools



11.32 Extraction Tool for 81Ways Contacts

Code	Notes	Application
25060	IVECO preheating unit	TYCO Clean Body 81 ways



11.33 Extraction Tool for Airbag's FCI

Ed esaurimento scorte. Verrà sostituito dal 23036.

Code	Notes	Application
26000	Air Bag	FCI Sicma tab contact



11.34 Extraction Tool for SUB-D Connectors

Code	Application
26052	SUB-D



11.35 Extraction Tool for MOLEX MICRO FIT Contacts

Code	Notes	Application
26054	electronic equipment	MOLEX Micro fit



11.36 Extraction Tool for Diameter 1,2 Contacts

Code	Notes	Application
87025	truck sensors	round contact diam. 1,2



11.37 Extraction Tool for MATE-N-LOK - CPC - LEAR RSA Contacts

Code	Notes	Application
87035	door monantnte diagnostic sectioning and rear lights for Iveco	diam 1,6 Bmw, CPC and MATE-N-LOK



11.38 Extraction Tool for Diam. 3,5 - LEAR Serie Ram Contacts

Code	Notes	Application
87045	ABS	TYCO series diam. 3,5 e LEAR (G & H) series RAM



11.39 Extraction Tool for Diam. 2,3 Contacts

Code	Notes	Application
87048	truck sensors	round contact diam. 2,3

Section n°11 - Tools



11.40 Extraction Tool for ITT CANNON Diam 2,5 Contacts

Code	Notes	Application
87050	truck sensors	ITT CANNON series diam. 2,5



11.41 Extraction Tool for Diam. 4 Contacts

Code	Notes	Application
87065	ABS	TYCO series diam. 4,0



11.42 Extraction Tool for JPT - SPT - DCS - AFK - ATS - DSQ Contacts

Code	Notes	Application
88040	dash board, inside car and sensor engine	TYCO series JPT, SPT; FCI series DCS 1/2; LEAR AFK / DFK 2,8; DELPHI ATS / DSQ 2,8; BOSCH BDK 2,8



11.43 Extraction Tool for MQS - SENSOR CONTACT 150 - AFK- DFK Contacts

Code	Notes	Application
88069	TYCO MQS, Sensor Contact 150; LEAR AFK and DFK 1,5	TYCO MQS, Sensor Contact 150; LEAR AFK and DFK 1,5



11.44 Extraction Tool for Contact

Code	Notes	Application
88070	dash board, inside car and sensor engine	TYCO SPT 6,3, G & H AFK



11.45 Extraction Tool for JPT 2,8 Contacts

Code	Notes	Application
88073	dash board, inside car and sensor engine	TYCO JPT 2,8



11.46 Extraction Tool for Contact - Fastin/On 6,3 - Mic

Code	Notes	Application
88074	various	for all contactcs FASTON, FASTIN/ON 6,3 and TYCO MIC



11.47 Extraction Tool for DEUTSCH Yellow Serie Contacts

Code	Notes	Application
90014	truck	SIZE 12 DEUTSCH yellow series

Section n°11 - Tools



11.48 Extraction Tool for DEUTSCH Red Serie-Souriau Utp / Utg Contacts

Code	Notes	Application
90015	truck	SIZE 20 DEUTSCH red series and SOUPIAU series UTP / UTG



11.49 Extraction Tool for DEUTSCH Green Serie Contacts

Code	Notes	Application
90016	truck	SIZE 16 DEUTSCH green series



11.50 Extraction Tool for per Terminali MQS - 0,40 - ELO

Code	Notes	Application
90207	dashboard, air bag	TYCO MQS 0,40 Elo



11.51 Extraction Tool for TYCO MICRO TIMER II - III DSQ Contacts

Code	Notes	Application
93006	dashboard, sensor engine	TYCO serie MICRO TIMER II-III; DELPHI DSQ 1,5; FEP



11.52 Extraction Tool for MPT - DUCON 9,5 - DCS Contacts

Code	Notes	Application
93007	power and preheating unit	TYCO Maxi Power Timer 9,5, DELPHI Ducon 9,5, FCI DCS 1 9,5



11.53 Extraction Tool for Diam. 4 Contacts

Code	Notes	Application
93010	truck sensor	round contacts diam.4



11.54 Extraction Tool for MOLEX MINI FIT Contacts

Code	Notes	Application
94210	electronic equipment	MOLEX mini fit



11.55 Extraction Tool for KOSTAL LSK 2,8 Contacts

Code	Notes	Application
96600	dash board, inside car and sensor engine	KOSTAL LSK 2,8

Section n°11 - Tools



11.56 Extraction Tool for MP 150 / 280 - GT150/280 - ECO POWER Contacts

Code	Notes	Application
97028	dashboard, car inside e sensor engine	for contacts DELPHI Metripack 150 / 280, GT 150 / 280, 150MP / SS; TYCO: Elo Power; HARTING: conn. 64 ways rail



11.57 Extraction Tool for UML Contacts

Code	Application
97043	UNIVERSAL MATE-N-LOK



11.58 Extraction Tool for MOLEX CP 0,6 Contacts

Code	Notes	Application
97046	Bosch injection system common rail	for contacts MOLEX (CINCH) series CP 0,6



11.59 Extraction Tool for DELPHI DUCON 4,8 / 6,3 Contacts

Code	Notes	Application
98086	power and preheating unit	DELPHI Ducon 4,8 / 6,3



11.60 Extraction Tool for JPT 2,8 Contacts

Code	Notes	Application
99014	dashboard, car inside and sensor engine	TYCO JPT 2,8, BOSCH BTL 2,8



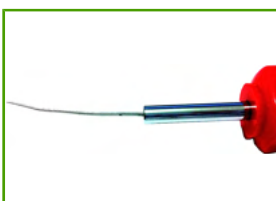
11.61 Extraction Tool for SICMA I Contacts

Code	Notes	Application
99022	car inside	for tab contacts FCI SICMA I



11.62 Extraction Tool for SICMA II & III Conatcts

Code	Notes	Application
99032	Air bag, car inside	FCI Sicma female II and III



11.63 Extraction Tool for 1/1703498/3 Connector

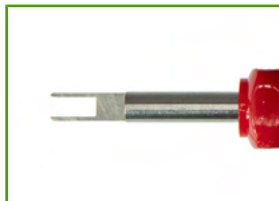
Code	Application
121600	connector 1/1703498/3

Section n°11 - Tools



11.64 Extraction Tool for MICRO TIMER II - III DSQ Contacts

Code	Notes	Notes 2	Application
132225	dashboard, electronic preheating unit	(EX 93005)	TYCO series MICRO TIMER II - III, DELPHI DSQ 1,5; FEP 1,5, BOSCH BMK 0,6



11.65 AMP MCP 6.3 Terminal Puller; MCON 1.2

Code	Application
132381	AMP MCP 6,3; MCON 1,2



11.66 Extraction Tool for SICMA II & OBD II Contacts

Code	Notes	Application
210041	diagnostic equipment	FCI Sicma II and OBD II

Section n°11 - Tools

INSERTION TOOLS



11.67 MICRO TIMER Insertion Tool

Code	Application
98112	insertion tools for Micro Timer contacts

EXTRACTION TOOLS FOR SECONDARY LOCK AND COVER



11.68 Extraction Tool for MTA F800 - F950 Connector & DELPHI Secondary Lock 16 Ways Connector

Code	Notes	Application
90022	power connections and power holdfuses	MTA series F800 / F950; DELPHI Secondary Lock connector 16 ways



11.69 Extraction Tool for Secondary Lock SUPERSEAL - FCI SICMA

Code	Notes	Application
90026	engine compartment	sec. Lock conn. TYCO female superseal and FCI Sicma



11.70 Extraction Tool for MP 480 / 360 Connector & Positive Lock + Secondary Lock

Code	Notes	Application
90028	engine compartment	TYCO Positive Lock 2 ways, conn. 73 vie + Secondary Lock (1/1355125/1), Secondary Lock conn. 24 ways (284227/2), conn. 3 ways (284098/1), Secondary Lock 10 ways (6/1355684/1), cover + Secondary Lock conn. 60 vie (1/1355114/1), Secondary Lock per Clean Body



11.71 Extraction Tool for per Secondary Lock

Code	Notes	Application
90030	varius	for secondary lock

Section n°11 - Tools

TESTING TOOLS



11.72 Testin Kit

Note: this kit included all items here below:

40001-40002-40003-40004-40005-40006-40010-40012-40013.

Code	Kit Code
40000	40000



11.73 Pair of test leads

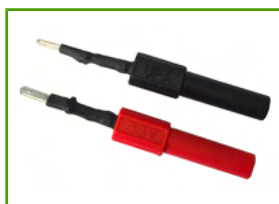
Note: the test leads are developed in order to interchange all pair of probes here below: 40001-40002-40003-40004-40005-40006-40010-40012-40013.

Code
40012



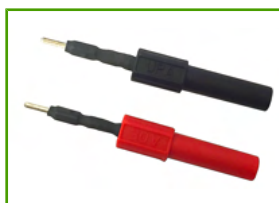
11.74 Pair of Red / Black Probes

Code	Contact Size
40001	6,3 x 0,8



11.75 Pair of Red / Black Probes

Code	Contact Size
40002	2,8-3,0 x 0,8



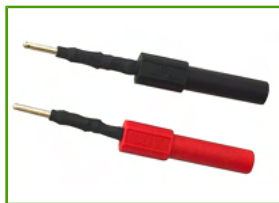
11.76 Pair of Red / Black Probes

Code	Contact Size
40003	4,8-5,2-6,3 x 0,8



11.77 Pair of Red / Black Probes

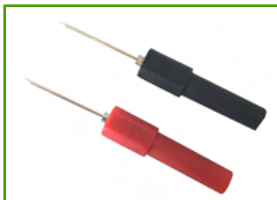
Code	Contact Size
40004	DIAM. 2,5



11.78 Pair of Red / Black Probes

Code	Contact Size
40005	DIAM. 1,6

Section n°11 - Tools



11.79 Pair of Red / Black Spiked Version

Code	Contact Size
40006	1-1,2-1,6-1,08 x 0,64



11.80 Pair of Red / Black Probes

Code	Contact Size
40013	9,5 x 0,8



11.81 Crocodile Clip

NOTE: body ground application.

Code
40010

Section n°11 - Tools

OTHER TOOLS



11.82 Gas Diffuser

Code	Application
3002	reheating heat shrincable



11.83 Retractor for Open Convulted Tube

Code	Notes
7077	for all open convulted tube



11.84 Rechargeable LED lamps

Code	Model	Socket	Lumen	Notes	Notes 2	LED Light
2107	-	Magnetic and hook fixing	250	autonomy 3 h, recharge 4 h	220V power supply + USB cable	-
2110	articulated base	magnetic fixing and with hook	800	autonomy 4 h, recharge 6 h	rechargeable lithium-ion battery 3,7V 4400 mAh	5W + 4x1W SMD



11.85 Hand Tool for constant velocity universal joint

Code	Application
529	tightening clamps for constant velocity joints (codes 118 and 122)

DISPLAY TROLLEY



11.86 Display Trolley for Coil Cables

NOTE: for the kind of cable see our section 8.

Code
31000

Section 12



Lamps & sockets

Section n °12

Lamps & socket

STANDARD CAR LAMPS	12.1
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XENON LAMPS	12.28
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SOCKET LAMPS	12.29
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STRIP LEDS	12.40
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Section n°12 - Lamps & socket

STANDARD CAR LAMPS



12.1 H1 Tungsten Halogen

Code	Type	Socket	Volt	Watt
2111	-	P 14,5 s	12	55
25115	+ 120%	P 14,5 s	12	55
2112	-	P 14,5 s	24	70



12.2 H3 Tungsten Halogen

Code	Socket	Volt	Watt
2121	PK 22 s	12	55
2122	PK 22 s	24	70



12.3 H7 Tungsten Halogen

Code	Type	Socket	Volt	Watt
2117	-	PX 26 d	12	55
2116	LONG LIFE	PX 26 d	12	55
25117	+ 120%	PX 26 d	12	55
2119	-	PX 26 d	24	70



12.4 h8-h11 Tungsten Halogen

Code	Model	Type	Socket	Volt	Watt
2186	H8	-	PGJ19-1	12	35
2189	H11	-	PGJ19-2	12	55
25189	H11	+ 120%	PGJ19-2	12	55



12.5 HB3-HB4 Tungsten Halogen

Code	Model	Socket	Volt	Watt
2177	HB3	P 20 d	12	60
2178	HB4	P 22 d	12	51



12.6 H27 Tungsten Halogen

Code	Socket	Volt	Watt
2184	PGJ13	12	27



12.7 HIR2 Tungsten Halogen

Code	Socket	Volt	Watt
2012	PX22d	12	55

Section n°12 - Lamps & socket



12.8 H4 Tungsten Halogen

Code	Type	Socket	Volt	Watt
2101	-	P 43 t	12	60-55
25134	+ 120%	P 43 t	12	60-55
2102	-	P 43 t	24	75-70



12.9 H5 Tungsten Halogen

Code	Socket	Volt	Watt
2151	P 45t	12	60-55



12.10 HB1 Tungsten Halogen

Code	Socket	Volt	Watt
2106	P 29 t	12	65-45



12.11 H15 Tungsten Halogen

Code	Socket	Volt	Watt
2163	PGJ23t-1	12	55-15



12.12 Asymmetric Lamps with 2 Filaments

Code	Model	Socket	Volt	Watt
2201	R2	P 45t	12	45-40
2202	R2	P 45t	24	55-50



12.13 Stop & Direction Lamps

Code	Model	Socket	Color	Volt	Watt
2321	P21W	BA 15 s	white	12	21
2322	P21W	BA 15 s	white	24	21
2383	PY21W	BAU 15 s	amber	12	21
2393	PY21W	BAU 15 s	amber	24	21



12.14 Stop & Direction Lamps

Code	Model	Socket	Color	Volt	Watt
2341	P21/5W	BAY 15 d	white	12	21/5
2342	P21/5W	BAY 15 d	white	24	21/5
2345	P21/4W	BAZ 15 d	white	12	21/4

Section n°12 - Lamps & socket



12.15 Spherical Lamps

Code	Model	Socket	Volt	Watt
2401	R5W	BA 15 s	12	5
2402	R5W	BA 15 s	24	5
2411	R10W	BA 15 s	12	10
2412	R10W	BA 15 s	24	10



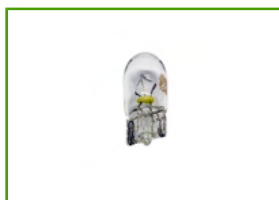
12.16 Parking and Indicator Lamps

Code	Model	Socket	Volt	Watt
2501	T4W	BA 9 s	12	4
2502	T4W	BA 9 s	24	4



12.17 W5/1,2 Glass lamp

Code	Socket	Volt	Watt
2601	W2x4,6d	12	1,2
2608	-	12	1,2
2605	W2x4,6d	12	2
2602	W2x4,6d	24	1,2



12.18 W3W Glass lamp

Code	Model	Socket	Color	Volt	Watt
2611	W3W	W2,1x9,5d	-	12	3
2612	W3W	W2,1x9,5d	-	24	3
2621	W5W	W2,1x9,5d	-	12	5
2625	W5W	W2,1x9,5d	blue	12	5
2622	W5W	W2,1x9,5d	-	24	5
2624	WY5W	W2,1x9,5d	amber	12	5



12.19 W21W Glass lamp

Code	Model	Socket	Color	Volt	Watt
2631	W21W	W3x16d	-	12	21
2633	WY21W	W3x16d	amber	12	21



12.20 W21/5W Glass lamp

Code	Socket	Volt	Watt
2632	W3x16q	12	21/5



12.21 W16W Glass lamp

Code	Socket	Volt	Watt
2607	W2,1x9,5d	12	16

Section n°12 - Lamps & socket



12.22 B8,5d-BX8,4d-SG8-5,5d Plug-in Wedge Base Lamps

Code	Socket	Volt	Watt	Notes
2661	B8,5d	12	1,2	black
2662	B8,5d	24	1,2	grey
2641	BX8,4d	12	1,2	black
2645	B8,4d	12	2	green
2692	B11d	14	1CP	white
2695	HRQ	14	1,4	black
2693	EBSR11	24	1,2	green
2694	EBSR11	24	-	green



12.23 Festoons Lamps

Code 2735 for japanese cars.

Code	Model	Socket	Volt	Watt	Height
2735	C10W	SV8,5-8	12	10	31
2711	C5W	SV8,5-8	12	5	35
2712	C5W	SV8,5-8	24	5	35
2715	C10W	SV8,5-8	12	10	35
2731	C10W-K	SV8,5-8	12	10	40
2732	C10W-K	SV8,5-8	24	10	40



12.24 H21W Halogen Lamps

Code	Model	Socket	Volt	Watt
1895	H21W	BAY9s	24	21
1897	H21W	BAY9s	12	21



12.25 H5W-H10W Halogen Lamps

Code	Model	Socket	Volt	Watt
2836	H5W	BA 9 s	12	5
2837	H10W	BA 9 s	12	10



12.26 H6W Halogen Lamps

Code	Socket	Volt	Watt
1896	BAX9s	12	6



12.27 Light Included Plastic Socked

Code	Model	Socket	Volt	Watt
2389	P27/7W	W2,5x16Q	12	27/7
2614	P27W	W2,5x16D	12	27

Section n°12 - Lamps & socket

XENON LAMPS



12.28 Xenon Lamps

NOTES: The 3000D5S code does not require headlight washers

Code	Model	Socket	Color	Volt	Watt	Notes
3000D1S	D1S	PK32D-2	5000 C K	12	35	with starter
53510D2R	D2R	P32D-3	5000 C K	12	35	without starter
53500D2S	D2S	P32D-2	5000 C K	12	35	without starter
3000D3S	D3S	-	5000 C K	12	35	with starter
3000D4S	D4S	-	-	12	35	without starter
3000D5S	D5S	-	4300 C K	12	25	with starter

SOCKET LAMPS

APPLICATION: head lamps.



12.29 3 Ways POSITIVE LOCK Receptable Housing for Lamps

Code	Total Number of Ways	Color	Raw Material	Accessory Contacts
281734/2	3	black	PA 6.6	5176



12.30 3 Ways Fastin-On 90° Tab Housing for H4 Lamps

Code	Total Number of Ways	Color	Raw Material	Accessory Contacts
180913/0	3	white	PA 6.6	180422/1



12.31 2 Ways Tab Housing for H7 Lamps

Code	Total Number of Ways	Color	Raw Material	Accessory Contacts
185010/1	2	nero	PA 6.6	5149



12.32 5 ways Housing for Lamps

Code	Total Number of Ways	Kit Code	Color	Accessory Contacts
926526/1	5	6742	black	1/160759/2



12.33 2 Ways Receptacle Housing for Glass Lamps

Code	Total Number of Ways	Kit Code	Type	Color	Accessory Contacts
809481	2	6726	sealed	brown	223145 + 6124

Section n°12 - Lamps & socket



12.34 JPT Socket Lamp W5W

Code	Socket	Color	Watt
6748	W2,1*9,5d	grey	W5W



12.35 SUPERSEAL Socket Lamp W16W

Code	Socket	Color	Watt
6749	W2,1*9,5d	black	W16W



12.36 Connector for H8-H9-H11 Lamp Socket

Code	Total Number of Ways	Industrial Code	Kit Code	Color	Raw Material
616770	2	616770	6983	black/orange	PA 6.6



12.37 FIAT 500 Headlamps Adaptor

Code
3000/500



12.38 T10 Lamp Socket

NOTE: rear connection for connector 6597.

Code
44017



12.39 Lampholder connector P21 / 5W

Code	Socket	Color	Watt
6751	P21/5W	black	5

STRIP LEDS

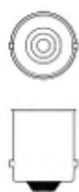
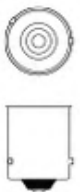
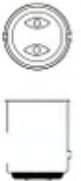
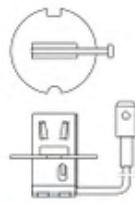
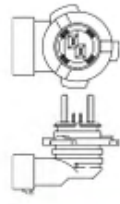
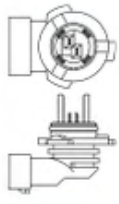
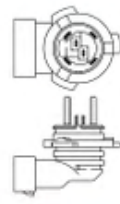
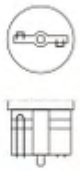
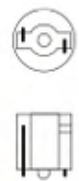
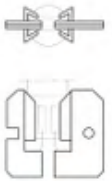


12.40 12-24V Led Strip

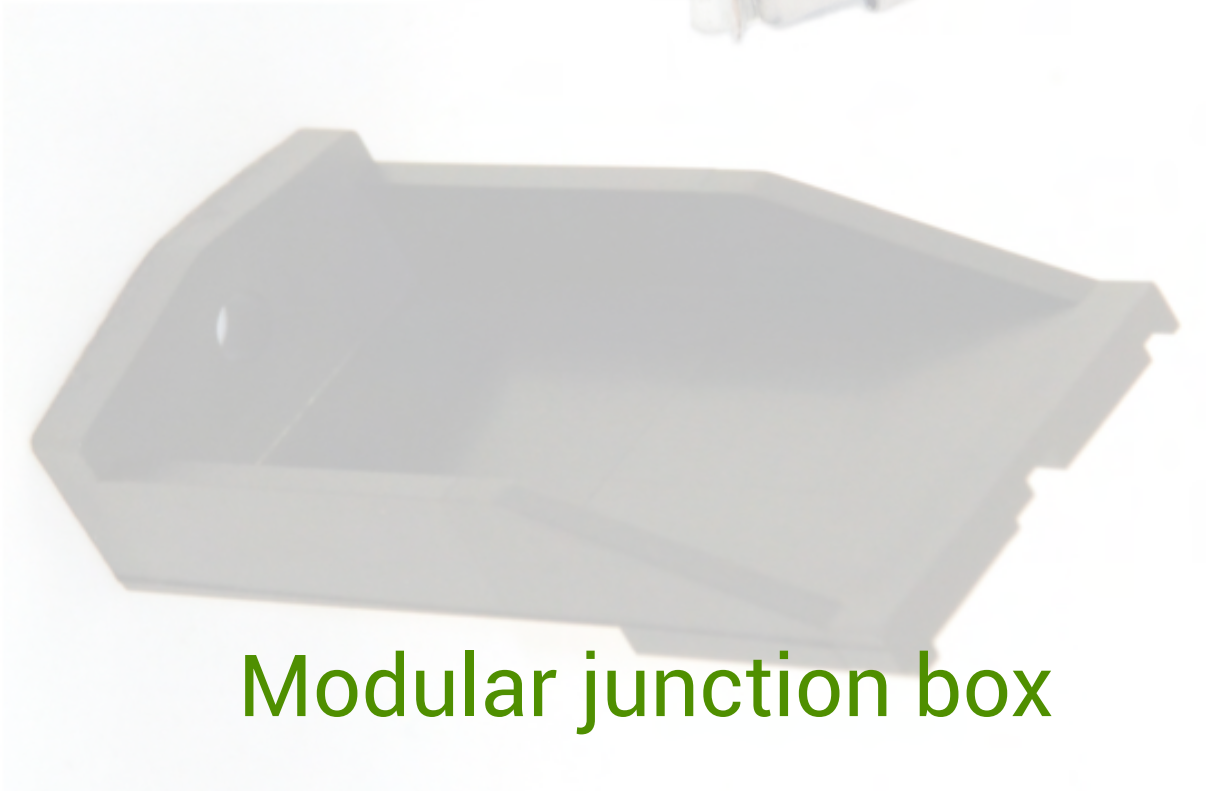
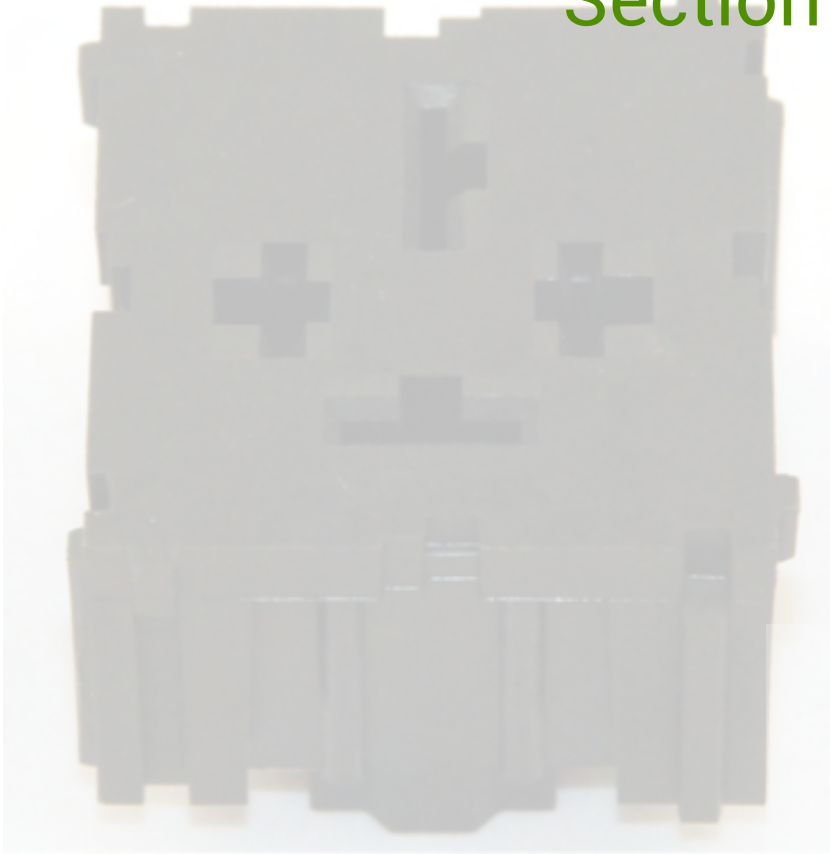
Led strip reel of 5 mt.

Code	Color	Volt
2838WO	white	12
2839WO	white	24

ATTACCO PORTALAMPADA

				
BA7s	BA9s	BA15s	BAU15s	BA15d
				
BAY15d	BAZ15d	BAX9s	P14,5s	PX26d
				
P43t	P45t	PK22s	PK32d-2	P32d-2
				
P32d-3	PY20d	P20d	P22d	PGJ19
				
SV8,5	W2,1x9,5d	W2x4,6d	X511	E10

Section 13



Modular junction box

Section n °13

Modular junction box

MODULAR JUNCTION BOX	13.1
----------------------	------

CABLE JUNCTION BOX	13.18
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Section n°13 - Modular junction box

MODULAR JUNCTION BOX



13.1 ATO Fuses Modules

Code	Type	A	Notes
354-501	single	60	2 ATO FUSES
354-502	double	120	4 ATO fuses
354-503	double	120	7 ATO fuses



13.2 Contacts for ATO Fuseholder

Code	Industrial Code	Wire Size Range (mm2)	Extraction Tool	Hand Tool
3607	913-071	1,00 - 2,00	25030	3991
3608	913-072	2,50 - 4,00	25030	3987



13.3 Frame for Modular Fuse Holder

Jumper bar for 7

Code
913-077



13.4 MINI Fuses Modules

Code	Type	A	Notes
354-543	single	60	6 MINI fuses
354-544	single	60	8 MINI Fuses



13.5 Contact for MINI Fuseholders

Code	Industrial Code	Wire Size Range (mm2)	Raw Material	Extraction Tool	Hand Tool
927779/3	927779/3	0,50 - 1,00	Bz Ph Sn	88040	3991
927781/3	927773/3	1,00 - 2,50	Bz Ph Sn	88040	3987



13.6 MAXI Fuses Modules

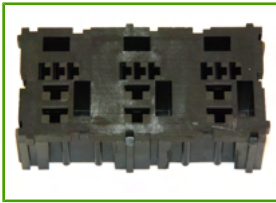
Code	Type	A	Notes
354-549	single	80	2 MAXI fuses
354-505	double	160	4 MAXI fuses



13.7 Contacts for MAXI Fuseholder

Code	Industrial Code	Wire Size Range (mm2)	Hand Tool
3602	913-064	1,50 - 2,50	3987
3606	913-068	2,50 - 6,00	3987

Section n°13 - Modular junction box



13.8 Micro Relay Module

Code	Type	Notes
354-507	double	3 relays MICRO



13.9 Contact for Micro Relay Modules

Code	Industrial Code	Type	Wire Size Range (mm ²)	Extraction Tool	Hand Tool
3603	913-043	medium contact	0,50 - 1,50	90028	3991
3601	913-055	medium contact	2,50 - 4,00	90028	3987
3605	913-067	little contact	0,50 - 1,50	90028	3991
3604	913-066	little contact	1,00 - 2,50	90028	3987



13.10 ISO Relay & Flasher Modules

Code	Type	Notes
354-506	single	1 MINI relay
354-536	double	2 relays MINI



13.11 Contact for Mini Relay Modules

Code	Industrial Code	Type	Wire Size Range (mm ²)	Extraction Tool	Hand Tool
3603	913-043	medium contact	0,50 - 1,50	90028	3991
3601	913-055	medium contact	2,50 - 4,00	90028	3987



13.12 Power Relay Module

Code	Type	Notes
354-535	single	1 power relay



13.13 Contact for Power Relays

Code	Industrial Code	Type	Wire Size Range (mm ²)	Raw Material	Extraction Tool	Hand Tool
3603	913-043	medium contact	0,50 - 1,50	-	90028	3991
3601	913-055	medium contact	2,50 - 4,00	-	90028	3987
182490/2	280756/2	big terminal	4,00 - 6,00	tin-plated brass	88074	3987



13.14 Stud Assembly Module 1 pin

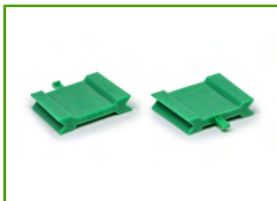
Code	Screw Hole
354-539	M8
354-537	M6
354-538	M6

Section n°13 - Modular junction box



13.15 Power Block accessories: empty module

Code
354-520



13.16 Power BLOCK accessories: module locking insert

Code
354-523



13.17 Power Block accessories: brackets

Code	Height	Notes
354-518	76,2	low attack
354-519	25,4	high attack
354-540	63,5	lateral attack

Section n°13 - Modular junction box

CABLE JUNCTION BOX



13.18 Cable Junction Box 4 Fittings

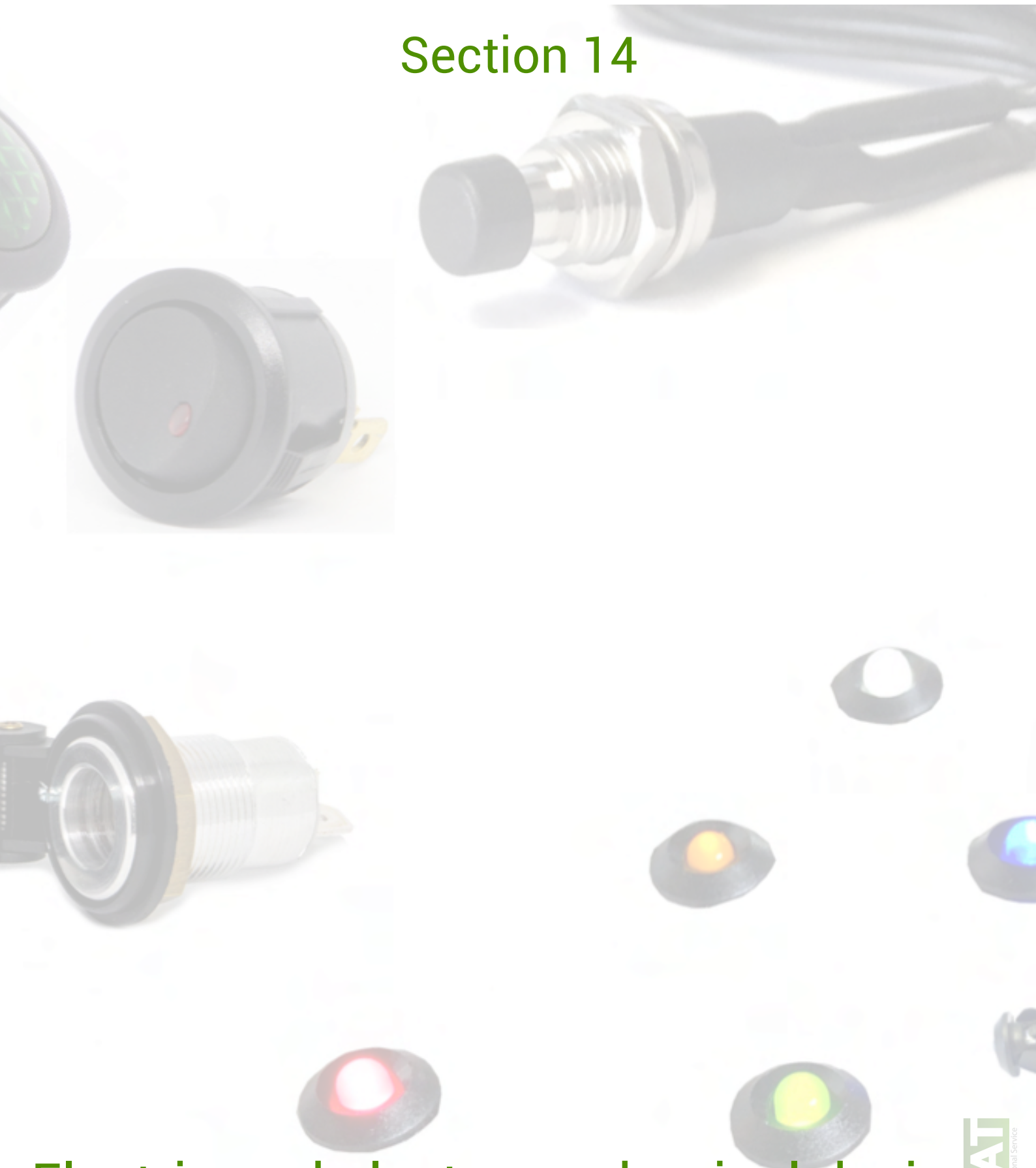
Code
192052



13.19 Cable Junction Box 12 Fittings

Code
192082

Section 14



Electric and electromechanical devices

Section n °14

Electric and electromechanical devices

INDICATOR LIGHTS	14.1
ROCKER SWITCH	14.3
"HEAVY" PUSH AND SWITCH	14.10
SPECIAL SWITCHES	14.13
BATTERY SWITCHES	14.22
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HORNS	14.34
FOOT SWITCH	14.37
LED FLASHER UNITS	14.38
FLASHER UNITS	14.40
HORN AND TRUMPETS	14.43

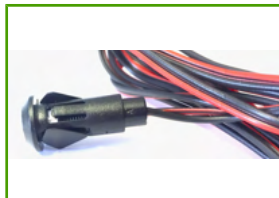
Section n°14 - Electric and electromechanical devices

INDICATOR LIGHTS



14.1 Indicator Led Lights

Code	Type	Volt	Led Color	Diameter
11254	indicators	12	red	20
11255	Diverter	12	green	20
11256	indicators	24	red	20
11257	indicators	24	green	20



14.2 Indicator Led Light with Cables

Code	Volt	Led Color	Diameter	Notes
11274	12	red	9	Cable length 50 cm
11275	12	green	9	Cable length 50 cm
11276	12	blue	9	Cable length 50 cm
11278	12	yellow	9	Cable length 50 cm
11279	12	white	9	Cable length

ROCKER SWITCH

APP.: stop and tilt switches



14.3 Switches & Diverters with Led

Code	Type	Color	Volt	Led Color	Diameter	A	Operation
11248	Switches	black	12	red	20	20	ON - OFF
11249	Switches	black	12	green	20	20	ON - OFF
11250	Switches	black	24	red	20	10	ON - OFF
11251	Switches	black	24	green	20	10	ON - OFF



14.4 Switches, Diverters & Buttons

Code	Type	Color	Volt	Diameter	A	Operation
11252	switches	red	12-24	20	10	OFF - MOM
11253	diverter	black/red	12-24	20	16-10	ON - ON
11260	Switches	black	12-24	20	15-10	OFF - ON
11261	push switches	red	12-24	20	15-10	OFF - MOM



14.5 Switches & Diverters Sealed

Code	Type	Color	Volt	A	Operation
11266	Switches	red	12-24	20-10	ON - OFF
11267	diverter	black	12-24	20-10	ON - ON



14.6 PUSH-PULL Switches

Code	Type	Color	Volt	A	Operation
22011300	Switches	black	12-24	10	ON - OFF

Section n°14 - Electric and electromechanical devices



14.7 Toggle Switch

Hole diam. 12 mm

Code	Type	Volt	A	Operation
11287	toggle switch	12-24	10	MOM-OFF-MOM
11258	toggle diverter	12-24	15-10	ON - ON
11259	toggle diverter	12-24	15-10	ON - OFF - ON
11262	toggle diverter	12-24	10	MOM - OFF
11264	two-pole toggle diverter	12-24	10 + 10	ON - ON

With black protective cap



14.8 Small Toggle Switch

Code	Type	Volt	A	Operation
11263	little toggle diverter	12-24	5	ON - ON



14.9 Switches & Diverters Canting Accesories

Code	Type	Color	Raw Material
11265	protection	black	neoprene

"HEAVY" PUSH AND SWITCH



14.10 "HEAVY" Push

Code	Type	Color	Volt	Diameter	IP	Operation
11292	push	green	12-24	30	67	MOM-OFF
11293	push	red	12-24	30	67	MOM-OFF
11294	push	white	12-24	30	30	MOM-OFF
11295	push	black	12-24	30	67	MOM-OFF



14.11 "HEAVY" Switches

Code	Type	Color	Volt	Diameter	IP	Operation
11297	switch	red	12-24	30	67	ON-OFF
11296	switch	green	12-24	30	67	ON-OFF
11298	switch	white	12-24	30	67	ON-OFF
11299	switch	black	12-24	30	67	ON-OFF



14.12 "HEAVY" Switch Emergency Lights

Code	Type	Volt	Diameter	A
11300	switch	12	30	20

Section n°14 - Electric and electromechanical devices

SPECIAL SWITCHES



14.13 Push Switch

Code	Type	Color	Volt	Diameter	A	Notes
11281	button	black	12-24	7	10	Cable length 50 cm



14.14 Starter Button Switch

Code	Color	Application
11269	red	engine injection



14.15 Start Button 60A Sealed

Code	Type	Color	Volt	Diameter	A
11283	button	black	12	23,9	60



14.16 Rotary Switch

Code	Color	Volt	Led Color	A
11271	black	12-24	red	20



14.17 Key Switch

Code	Volt	Diameter	N.O.
11268	12-24	22	7.15 / 15



14.18 Key Switch IP63

Code	Volt	Diameter	IP	N.O.
11302	12-24	55,3	63	30/50



14.19 Magnetic Switch

Temperature: -40C + 105C

Code	Type	Color	Volt	A	Notes
11282	Switches	black	120	0,25	closed

Section n°14 - Electric and electromechanical devices



14.20 Switch for Stop Rear Lights

Code
14001



14.21 Watertight Limit Switch

Code	Volt	A
11301	12-24	15/7,5

BATTERY SWITCHES



14.22 Battery Switch-Panel Mounting

Code	Volt	IP	Notes
806017	12-24	56	100-500 x 3 seconds



14.23 Battery Switches 100A

* Disponibile la chiavetta di ricambio codice 806009

Code	Volt	N.O.	Notes	Notes 2
806013	12-24	100	removable lever and protective cap	500A / 5 seconds
806009	-	-	spare key	-



14.24 Power switch

Code	Volt	N.O.	Notes	Notes 2
806015	12-24	250	fixed knob	2500A / 5 seconds



14.25 Sealed Battery Switch

Code	Volt	IP	Notes 2
806016	12-24	67	350-3500 x 3 seconds



14.26 Bipolar Battery Switch

Code	Volt	IP	Notes 2
806022	32	67	2x2000A-1,5 seconds

Section n°14 - Electric and electromechanical devices



14.27 12V Electronic Battery Switch

Code	Volt	IP	A	Notes 2
806020	8,5-16V	67	150	1500A/30 sec. - 2300A 100 msec.

APPLICATIONS: commercial and industrial vehicles with electronic and non-manual key operated actuation that can be used for both positive and negative poles. DIRECT CURRENT: 300A 6 minutes - 400A 3 minutes - 250A 60 minutes OVER VOLTAGE: 26V 5 minutes WORKING TEMPERATURE: -30 ° C + 85 ° C

PLUGS, SOCKETS & ADAPTERS



14.28 Plug 12/24V

Code	Volt	Diameter	A
235	12-24	21	16



14.29 Standard Current Socket for Cars

Code	Volt	Diameter	A
236	12-24	12	16



14.30 Standard Current Plug for Cars

Code	Volt	Diameter	A
237	12-24	12-21	16



14.31 USB Double Socket

Code	Volt	Diameter	A
239	12-24	28	5



14.32 USB Double Socket with Led

Code	Volt	Diameter	IP	A
240	12-24	36,8	65	3,1

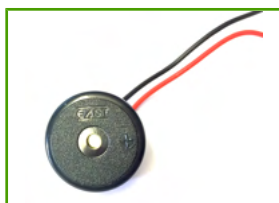


14.33 Panel USB Socket

Code	Volt	Width	A	Length
241	12-24	24,5	3,1	45

Section n°14 - Electric and electromechanical devices

HORNS



14.34 Buzzer

Code	Volt	Raw Material	IP	Temperature Range	Notes
11280	9-30	ABS	20	-20C + 60C	103dB a 12V e 110 dB a 24V



14.35 Buzzer Piezoelectric

Code	Volt	IP	A	Notes
900021	6-28	55	20mA a 12V	90dB



14.36 Acoustic Reverse Warning

Code	Volt	IP	Notes
900019	10 - 30	68	97

FOOT SWITCH

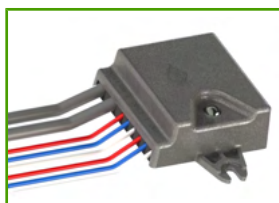


14.37 Food Switch

Code	Color	Volt	Raw Material	A	Temperature Range	Notes
11284	amber	250	PBT	5	-40°C + 85°C	cable lenght 50 cm
11285	green	250	PBT	5	-40°C + 85°C	cable lenght 50 cm
11286	black	250	PBT	5	-40°C + 85°C	cable lenght 50 cm

Section n°14 - Electric and electromechanical devices

LED FLASHER UNITS



14.38 Bulb Lights Intermittence

Code	Volt	IP
CSLO2269	12-24	68



14.39 Led Flasher Units

for led and lamps systems with ceck

Code	Volt	Watt
1432	12	60
1433	24	60

FLASHER UNITS



14.40 Flasher Unit with Hazard

Code	Volt	Watt
1491	12	42-46x2



14.41 Flasher Unit with Hazard

Code	Color	Volt	Watt
1424	blue	12	42-46x2



14.42 Flasher Unit with Hazard

Also Suitable with Trailer Application and cars with Towbar.

Code	Volt	Watt
2415	12	2 + 1 (6)x21

Section n°14 - Electric and electromechanical devices

HORN AND TRUMPETS



14.43 Horn

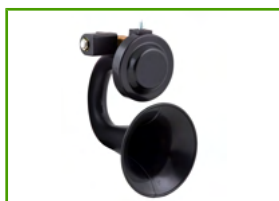
Code	Volt	Diameter	Sound Level	Frequency	Sound type
5591H12	12	90	114db	430 + - 5%	acute
5591L12	12	90	114 db	340 + - 5%	heavy
5591H24	24	90	114 db	430 + - 5%	acute
5591L24	24	90	114 db	340 + - 5%	heavy
5591EMH	12-80	90	108 db	403	acute



14.44 Trumpets

Code	Volt	Width	Length	Sound Level	Frequency	Sound type
5580B12	12	80	83	112 db	(500-420) + - 5%	acute and heavy
5580H12	12	78	88	109 db	500	monotone acute
5580B24	24	80	83	112 db	(500-420) + - 5%	acute and heavy

affidabilità 50000 manovre (1" ON-4" OFF)



14.45 Air Horn for Trucks

Code	Volt	Notes	Sound Level	Frequency
55MAX24	24	reliability 50000 operations (1 " ON-4 " OFF)	118 db	400 + - 5%



14.46 High Tone Air Horn

Code	Diameter	Notes	Length	Sound Level	Frequency
5550024	141	from 260 + - 10 to 450 + - 20	577	from 114 + - 2 to 118	210 + - 10 Hz

Section 15

Lighting

Section n °15

Lighting

MINIATURE WORK SPOTLIGHTS	15.1	ROUND WORKING LED LIGHT	15.2
ROUND WORKING LED LIGHT	15.3	SQUARE WORKING LED LIGHT	15.4
ENERGY SAVING WORKLIGHTS (ECO LAMPS)	15.5	RECTANGULAR WORKING LED LIGHT	15.7
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HEATED WORKING LED LIGHT	15.12	DOUBLE FUNCTION WORKING LIGHTS	15.13
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HALOGEN BEACON	15.30	FLASHING LED BEACON 10-100V	15.31
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EUROROT BLUE BEACON LED	15.36	SPECIAL BLU BEACON	15.37
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ACCESSORIES FOR LED LIGHTS	15.100		



Section n°15 - Lighting

MINIATURE WORK SPOTLIGHTS



15.1 Miniature Work Spotlights

Code	Lumen	Beam of Light	Watt	Width	Height	IP	A
CPT7724	2200	flood	29-32	70,4	70,4	67	1,29-2,47
CPT7824	2200	flood	29-32	70,4	70,4	67	1,29-2,47

ROUND WORKING LED LIGHT



15.2 Round Working Led Lights

Code	Lumen	Beam of Light	Watt	Ext. Diam.	IP	A
CPT5027	1600	spot	27	107	67,69K	0,625-1,25

ROUND WORKING LED LIGHT



15.3 Round Working Led Light with Handle and Switch

Code	Lumen	Beam of Light	Volt	Watt	Diameter	IP
CPTW0702-24	1920	flood	9-32	24	114	68

SQUARE WORKING LED LIGHT



15.4 Square Working Led Lights

Code	Lumen	Beam of Light	Watt	Width	Height	IP	A
CPT024	1600	flood	24	110	100	67	0,7-1,4
CPT027	1800	flood	27	110	100	67	1,1-2,1
CPT040	3600	flood	40	110	110	67	1,55-3,1

ENERGY SAVING WORKLIGHTS (ECO LAMPS)



15.5 Round Worklight Energy Saving

Code	Lumen	Beam of Light	Watt	Ext. Diam.	IP	A
CPT5018	1200	flood	9	107	67, 69K	0,75 a 12V e 0,37 a 24V



15.6 Square Worklight Energy Saving

Code	Lumen	Beam of Light	Watt	Width	Height	IP	A
CPT4927	1800	flood	15	129	100	67, 69K	0,62-1,25
CPT5148	3200	flood	25	139	108	67, 69K	1,04-2,08

Section n°15 - Lighting

RECTANGULAR WORKING LED LIGHT



15.7 Rectangular Working Led Lights

NOTES: the CPT0920 is a 20W work light with 2 10W HIGH INTENSITY LED

Code	Lumen	Beam of Light	Watt	Width	Height	IP	A
CPT009	700	flood	9	110	60	67	0,42-0,85
CPT1518	1440	spot	18	110	60	67	0,75-1,40
CPT0920	1600	flood	20	110	60	67	0,75-1,5

OVAL WORKING LED LIGHT



15.8 Oval Small Working Led Light

Code	Lumen	Beam of Light	Volt	Watt	Width	Height	IP
CPTW0902-13	1060	spot	9-32	13	99	64	68



15.9 Gig Oval Working Led Light

Code	Lumen	Beam of Light	Volt	Watt	Width	Height	IP
CPTW0902-32	3200	flood	9-32	32	143	91	68

POWER WORKING LED LIGHTS



15.10 Power Working Led Light

Code	Lumen	Beam of Light	Watt	Width	Height	IP	A
CPT0727	1800	spot	27	110	110	67	1,10-2,10



15.11 Power Working Led Light

Code	Lumen	Beam of Light	Watt	Width	Height	IP	A
CPT7996	7400	flood	88-94	111	111,9	67	3,7-7,65

HEATED WORKING LED LIGHT



15.12 Heated Working Led Light

Code	Lumen	Beam of Light	Watt	Width	Height	IP	A
CPT7640H	5100	depth	40	109	103,5	67	3,67-1,77

Section n°15 - Lighting

DOUBLE FUNCTION WORKING LIGHTS



15.13 Cube Light 30W Working Led Light

Code	Lumen	Beam of Light	Volt	Watt	Width	Height	IP	A
CPT6930	2850 RAW lm	spot/flood	10-30	30	97	78	67,69K	0,84-1,69

Beam of depth + widened to 140 °.

"HEAVY" DUTY WORKING LED LIGHT



15.14 "HEAVY" Duty Working Led Light

Code	Lumen	Beam of Light	Volt	Watt	Width	Height	IP
CPTW0807-40	3400	flood 85°	9-32	40	120	82	69K

Can withstand high intensity vibration 30G

MODULARS WORKING LED LIGHTS



15.15 Rectangular Modular Led Working Lights

Code	Lumen	Beam of Light	Watt	Width	Height	IP	A
CPT300	2600	spot	3x10	180	76	67	1,17-2,35



15.16 Square Modular Led Working Lights

Supplied with accessories for mounting an indifferent number of headlights.

Code	Lumen	Beam of Light	Watt	Width	Height	IP	A
CPT010	800	spot	10	66	66	67	0,4-0,9

RECESSED LED WORKLIGHTS



15.17 Recessed Square Led Working Lights

Code	Lumen	Beam of Light	Watt	Width	Height	IP	A
CPT1212	1080	spot	12	122	92	67	0,67-1,34



15.18 Recessed Rectangular Led Working Lights

Code	Lumen	Beam of Light	Watt	Width	Height	IP	A
CPT1918	1440	spot	18	195	62	67	0,75-1,5

Section n°15 - Lighting

WORKING LED LIGHT 10-100V

APPLICATION: forklift.



15.19 Working Led Lights 10-100V

Code	Lumen	Beam of Light	Watt	Width	Height	IP	A
CPT0215	1200	flood	15	128	41	67	10-100V

SECURITY WORKING LED LIGHT



15.20 SECURITY WORKING BLUE LED LIGHT

Code	Lumen	Beam of Light	Color	Volt	Watt	Width	Height	IP
CPTW9025A	2250	direct	blue	9-32	25	70	70	68



15.21 SECURITY WORKING RED LED LIGHT

Code	Beam of Light	Color	Volt	Watt	Width	Height	IP
CPTW6202	spot	red	9-80	5	72	75.5	68



15.22 SECURITY WORKING LINEAR RED LIGHT

Code	Beam of Light	Volt	Watt	Width	Height	IP
CPTW6020C	linear	9-110	20	98	63	68

Section n°15 - Lighting

"EVOLUX" BEACON AMBER LED

NOTES: 36 months warranty



15.23 EVOLUX ISO DIN B Led flashing lights Rotating Effect

Code	Color	Volt	IP	Effect
75118	orange	10-30	65	rotating



15.24 EVOLUX Led Flashing Lights Flexible Base

Code	Socket	Color	Volt	IP
75117	flexible pole	orange	10-30	65



15.25 EVOLUX Magnetic Led Flashing Lights

Code	Socket	Color	Volt	IP
75115	magnetic	orange	10-30	65

FLASH EVOLUX BEACON AMBER LED



15.26 EVOLUX ISO DIN B Led flashing lights

Code	Color	Volt	IP	Effect
75167	amber	12-24	65	flash

Synchronizable

"EUROROT" BEACON LED



15.27 ISO DIN B Led flashing lights

NOTE: ECE R66, -30C+50C, IP 65

Code	Socket	Color	Volt	Watt	IP
75290	ISO DIN B	orange	10-30	23	65



15.28 Magnetic Led flashing lights

NOTE: ECE R66, -30C+50C, IP 65

Code	Socket	Color	Volt	Watt	IP
75294	magnetic	orange	10 -30	23	65

Section n°15 - Lighting



15.29 Flexible Base Led Flashing Lights

NOTE: ECE R66, -30C+50C, IP 65

Code	Socket	Color	Volt	Watt	IP
75295	flexible base	orange	10 -30	23	65

HALOGEN BEACON



15.30 Low Consumption Halogen Beacon

NOTE: ECE R66, -30C+50C, IP 65

Code	Socket	Color	Volt	Watt	IP
75262	ISO DIN B	orange	10-30	21	55
75266	flexible pole	orange	10-30	21	55
75268	magnetic	orange	10-30	21	55

FLASHING LED BEACON 10-100V



15.31 Flash Beacon

Code	Socket	Color	Volt	Watt	IP
84612	ISO DIN B	orange	10-100	0,14	54

Section n°15 - Lighting

ACCESSORIES AND SPARE PARTS FOR BEACON



15.32 Replacement cover

Code	Color
72191	orange



15.33 Threaded Pole Holder for Flashing Light

Code	Type
83508	threaded



15.34 Standard Type Pole Holder for Flashing Light

Code	Type
83002	standard

"EVOLUX" BEACON BLUE LED

NOTES: 36 months warranty



15.35 EVOLUX ISO Blue Led flashing lights

Code	Color	Volt	IP	Effect
75168	blue	12-24	65	flash

Synchronizable, with cruise light.

EUROROT BLUE BEACON LED



15.36 Flat Base Blue Led Beacon

Code	Socket	Volt	IP
75303	ISO DIN B	12-24	55

SPECIAL BLU BEACON



15.37 Blue LED Beacon

Code	Socket	Volt	IP	A
73036	ISO DIN B	12-24	55	0,7-0,35

!

Section n°15 - Lighting



15.38 Magnetic blue LED Beacon with suction cup

Code	Socket	Volt	IP
75307	magnetic with suction cup	12-24	55

!

Section n°15 - Lighting

MODULAR LIGHT BARS AMBER



15.39 Rotating Modular Light Bars Amber

Code	Socket	Color	Volt	IP	Length	Opaline Module
70357	magnetic	amber	12-24	55	755	1
71019	permanent mount	amber	12-24	55	755	1



15.40 High Intensity Rotating Effect Modular Light Bars Amber

Code	Socket	Color	Volt	IP	Length	Opaline Module
70122	magnetic	amber	12-24	55	970	2
71040	permanent mount	amber	12-24	55	970	2



15.41 High Intensity Rotating Effect Modular Light Bar Amber

Code	Socket	Color	Volt	IP	Length	LED Light	Opaline Module
71372	permanent mount	amber	12-24	55	1185	2	1



15.42 High Intensity Rotating Effect Modular Light Bar Amber

Code	Socket	Color	Volt	IP	Length	LED Light	Opaline Module
71050	permanent mount	amber	12-24	55	1290	2	2

MODULAR LIGHT BARS BLUE



15.43 Flashing Effect Modular Light Bar with Cruise Light Optional

Code	Socket	Color	Volt	IP	Length	Accessories
71167	magnetic	blue	12-24	55	755	horn made up



15.44 Flashing Effect Modular Light Bar with Cruise Light Optional

Code	Socket	Color	Volt	IP	Length	LED Light	Accessories
71151	permanent mount	blue	12-24	55	1290	2	horn made up

Section n°15 - Lighting

SIDE LED LIGHTS



15.45 Clearance light with flashing function

Code	Color	Volt	Width	Height	IP
CLKD2511	amber	12-24	113	61	68



15.46 Led clearance lights LOW PROFILE Amber

Code	Color	Volt	Watt	Width	Height	IP
CLD500	amber	12-24	0,4/0,7	98	50	68



15.47 Universal Led Marker Lights

Code	Volt	Watt	Width	Height	IP
CLD161	12-24	0,5/1,2	112	66	68



15.48 Oval Led Marker Lights

Code	Color	Volt	Watt	Width	Height	IP
CLD650	amber	12-24	0,6/1,2	98	50	68
CLD624	amber	12-24	0,6/1,2	120	74	68



15.49 "HELLA" Type Led Tail Lights Amber

Code	Color	Volt	Watt	Width	Height	IP
CLD180	amber	12-24	0,4/1,2	110,5	72,4	68



15.50 MOON S Type Rear Marker Lights Amber

Code	Color	Volt	Width	Height	IP
CLD2228	amber	12-24	70,7	42	68



15.51 MOON Type L Rear Marker Lights

Code	Color	Volt	Width	Height	IP
CLD2220	amber	12-24	122	44	68

Section n°15 - Lighting



15.52 Offset LED clearance lights Amber

Code	Color	Volt	Watt	Width	Height	IP
CLD128	orange	12-24	0,4/0,7	130	33	68



15.53 Led clearance lights Amber with rubber protection

Code	Color	Volt	Watt	Width	Height	IP
CLD676	amber	12-24	0,5/1,00	109,5	30,5	68



15.54 SLIM outline lights Amber

Code	Color	Volt	Width	Height	IP	Notes
CLD2328	amber	12-24	77,5	18,5	68	2 x 0,75 mmq x 0,5 mt

VERTICAL CLEARANCE LIGHTS



15.55 Led Pendant Lights

Code	Color	Volt	Watt	Width	Height	IP
CLD430L	red	12-24	0,5/1,00	111	47,5	68
CLD430P	white	12-24	0,5/1,00	111	47,5	68



15.56 Orange Led Pendant Lights

Code	Color	Volt	Watt	Width	Height	IP
CLKD2294	amber	12-24	0,6/1,3	138,7	48,4	68



15.57 Triple Color Position Lights

Code	Color	Volt	Watt	Width	Height	IP
CLD2164	white,red	12-24	0,8/1,7	110	30	68
CLD2167	white,red,amber	12-24	0,8/1,7	110	30	68

Section n°15 - Lighting

LED LIGHT



15.58 LED Reverse light

Code	Color	Volt	Watt	Width	Height	IP
CLCD657	white	12-24	2,7	108	46	68



15.59 LED rear fog light

Code	Color	Volt	Watt	Width	Height	IP
CLPD591	red	12-24	2	108	46	68



15.60 Position Lights Type EMA 3

Code	Color	Volt	Watt	Width	Height	IP
CLD370	white	12-24	0,4/1,00	81,5	24,5	68
CLD410	red	12-24	0,4/1,00	81,5	24,5	68



15.61 Third Stop Light

*: THIRD STOP. NOTE: rear overall dimensions for industrial vehicles.

Code	Volt	Width	Height	Operation
CLSD2255	12-24	255	25,3	third stop



15.62 White Angular Clearance Light

Code	Color	Volt	Width	Height	IP
CLD221	white	12-24	91	47	68



15.63 Led clearance lights LOW PROFILE

Code	Color	Volt	Watt	Width	Height	IP
CLD525	white	12-24	0,4/0,7	103	36	68
CLD527	red	12-24	0,4/0,7	103	36	68



15.64 "HELLA" Type Led Tail Lights

Code	Color	Volt	Watt	Width	Height	IP
CLD273	red	12-24	0,4/1,2	110,5	52,2	68
CLD272	white	12-24	0,12/0,5	110,5	52,2	68

Section n°15 - Lighting



15.65 MOON S Type Rear Marker Lights

Code	Color	Volt	Width	Height	IP
CLD2227	white	12-24	70,7	42	68
CLD2229	red	12-24	70,7	42	68



15.66 Offset LED clearance lights

Code	Color	Volt	Watt	Width	Height	IP
CLD129	red	12-24	0,4/0,7	115	33	68
CLD127	white	12-24	0,4/0,7	115	33	68



15.67 Led clearance lights with rubber protection

Code	Color	Volt	Watt	Width	Height	IP
CLD675	white	12-24	0,5/1,00	109,5	30,5	68
CLD677	red	12-24	0,5/1,00	109,5	30,5	68



15.68 SLIM outline lights

Code	Color	Volt	Width	Height	IP	Notes
CLD2329	red	12-24	77,5	18,5	68	2 x 0,75 mmq x 0,5 mt
CLD2327	white	12-24	77,5	18,5	68	2 x 0,75 mmq x 0,5 mt

Section n°15 - Lighting

MULTIFUNCTION LED TAILLIGHTS



15.69 Rear light FULL Led

APPLICATION: tractors, trailers (if combined with a triangle)

Code	Type	Volt	Width	Height	IP	Operation
CLZD2300	SX	12-24	304	132	68	position, arrow (dynamic), stop, license plate, reverse, rear fog light
CLZD2301	DX	12-24	304	132	68	position, arrow (dynamic), stop, license plate, reverse, rear fog light

Dynamic arrow lights



15.70 Multifunction Full Led Rear Lights for Trailers

Code	Type	Volt	Width	Height	IP	Operation
CLZD2550	SX	12-24	363	143	68	position, reversing, fog lights, brakes, direction
CLZD2551	DX	12-24	363	143	68	position, reversing, fog lights, brakes, direction



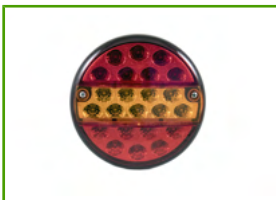
15.71 Multifunction Round Led Light

Code	Volt	Ext. Diam.	IP	Operation
CLZD2341	12-24	140	68	position, reversing, fog lights, brakes, direction



15.72 Modern Round Rear Light

Code	Volt	Ext. Diam.	IP	Operation
CLZD2422	12-24	121,4	68	direction, brakes, position lights
CLZD2424	12-24	121,4	68	reverse, rear fog light, position lights



15.73 Classic Round Rear Light

Code	Volt	Ext. Diam.	IP	Operation
CLZD740	12-24	145,5	68	position, arrow, stop
CLZD741	12-24	145,5	68	reverse, rear fog light



15.74 Compact Rear Light

Code	Type	Volt	Width	Height	IP	Operation
CLZD2006	SX	12-24	205	80	68	position, arrow, stop
CLZD2005	DX	12-24	205	80	68	position, arrow, stop



15.75 Square Rear Light

Code	Volt	Width	Height	IP	Operation
CLZD2101	12-24	105,4	97,4	68	position, arrow, stop, license plate
CLZD967	12-24	105,4	97,4	68	position, arrow, stop
CLZD2239	12-24	105,4	97,4	68	front position, arrow

Section n°15 - Lighting



15.76 Low-bulk Rear Light

Code	Color	Volt	Width	Height	IP	Operation
CLZD2246	red,yellow	12-24	257	27	68	position, arrow, stop

FRONT MULTIFUNCTION LED

15.77 Couple Front Multifunction Led



Code	Lumen	Beam of Light	Volt	Watt	Width	Height	IP
CPTW9102	8100	linear	9-32	82	229	152	68

Section n°15 - Lighting

MODERN CLEARANCE LED LIGHTS



15.78 Long Oblique Led Footprint Lights

Code	Type	Color	Volt	Watt	Width	Height	IP
CLD2175	SX	amber, white	12-24	0,7/1,4	175	125	68
CLD2174	DX	amber, white	12-24	0,7/1,4	175	125	68



15.79 Long Straight Led Marker Lights

Code	Color	Volt	Watt	Width	Height	IP
CLD2191	amber, white	12-24	0,7/1,4	117,5	55	68



15.80 Short Straight Led Marker Lights

Code	Color	Volt	Watt	Width	Height	IP
CLD2186	amber, white	12-24	0,7/1,4	100	55	68



15.81 Short Oblique Led Footprint Lights

Code	Type	Color	Volt	Watt	Width	Height	IP
CLD2181	SX	amber, white	12-24	0,7/1,4	125	109,5	68
CLD2180	DX	amber, white	12-24	0,7/1,4	125	109,5	68

CLASSIC CLEARANCE LED LIGHTS



15.82 Led clearance lights with long folded arm

Code	Type	Color	Volt	Watt	Width	Height	IP
CLD724L	SX	white, red	12-24	0,6/1,2	181	145	68
CLD724P	DX	white, red	12-24	0,6/1,2	181	145	68



15.83 Led clearance lights with oblique arm

Code	Type	Color	Volt	Watt	Width	Height	IP
CLD726L	SX	white, red	12-24	0,6/1,2	168	154	68
CLD726P	DX	white, red	12-24	0,6/1,2	168	154	68

Section n°15 - Lighting

SQUARE CLEARANCE LED LIGHTS



15.84 Led clearance lights with long oblique arm

Code	Type	Color	Volt	Watt	Width	Height	IP
CLD518L	SX	white, red	12-24	0,6/1,2	178	167	68
CLD518P	DX	white, red	12-24	0,6/1,2	178	167	68



15.85 Led clearance lights with straight short arm

Code	Type	Color	Volt	Watt	Width	Height	IP
CLD2115L	SX	white, red	12-24	0,6/1,2	135	105	68
CLD2115P	DX	white, red	12-24	0,6/1,2	135	105	68



15.86 Led clearance lights with short oblique arm

Code	Color	Volt	Watt	Width	Height	IP
CLD534	white, red	12-24	0,6/1,2	105,3	84,8	68

LED CLEARANCE LIGHTS WITH REVERSING SENSOR



15.87 Led position lights with reversing sensor

Code	Type	Volt	Width	Height	IP
CLDCC2713	SX	12-24	216	184	68
CLDCC2714	DX	12-24	216	181	68

In case of accidental breakage, only the outline light can be replaced and keep the old sensor.

PLATE LIGHTS



15.88 Plate lights

Code	Color	Volt	Watt	Width	Height	IP	Operation
CLTD229	white	12-24	0,5/1,00	97	62,3	68	license plate
CLTD702	white	12-24	0,5/1,00	93	38,7	68	license plate
CLTD232	white, red	12-24	0,30/0,5	97	62	68	location, license plate

Section n°15 - Lighting

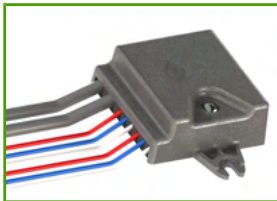
STROBOSCOPIC FLASHING LIGHTS



15.89 Slim Stroboscopic flashers

NOTE: stroboscopic effect + emergency. Specific for emergency vehicles.

Code	Color	Volt	Watt	Width	Height	IP
CLDO2675	amber	12-24	4,5	96	28	68
CLDO2676	blue	12-24	4,2	96	28	68
CLDO2258	amber	12-24	-	147,3	42,3	68



15.90 Accessories for Slim Stroboscopic flashers

Code	Volt	IP
CSLO2269	12-24	68

The control unit allows the side position lights existing on the vehicle to flash with the arrows in compliance with ECE R48 REV. 65.1

LED LIGHT FOR FOOTBOARDS



15.91 Flashing lights for hydraulic sides

APP: specific for platforms

Code	Volt	Watt	Width	Height	IP
CLDO2135	12-24	0,5/1,00	102,5	90	68



15.92 Blinker

Code	Volt	IP
CPRZ2201	12-24	68

ACCESSORIES



15.93 Intermittence for clearance lights

Code	Volt	IP
1388	12-24	67

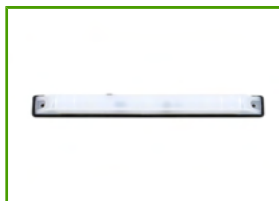
Section n°15 - Lighting

INDOOR CEILING LIGHTS



15.94 Indoor bar short ceiling lights

Code	Lumen	Volt	Watt	Width	Height	IP
900020	170	12	0.75 total consumption	100	25	22



15.95 Indoor bar longceiling lights

Code	Lumen	Volt	Watt	Width	Height	IP
CLWD561	200	12-24	4	254	24	68



15.96 Standard Indoor Ceiling Lights

Code	Lumen	Volt	Watt	Width	Height	IP
CLWD658	350	12-24	6	107	45	42



15.97 Rectangular Indoor ceiling lights

Code	Lumen	Beam of Light	Volt	Width	Height	IP	Notes
CLWD2154	900	95°	12-24	120	75	68	-
CLWD2156	900	95°	12-24	120	75	68	motion sensor



15.98 Classic Circular Indoor Ceiling Lights

Code	Lumen	Volt	Watt	Ext. Diam.	IP
CLWD959	500	12	6,5	190	65
CLWD960	500	24	6,5	190	65



15.99 Modern Circular Ceiling Lights

Code	Type	Lumen	Volt	Ext. Diam.	IP	Notes
CLWD2758	-	1650	12-24	132	68	2 x 0,75 mmq x 0,5 mt
CLWD2759	motion sensor	1650	12-24	132	68	2 x 0,75 mmq x 0,5 mt

ACCESSORIES FOR LED LIGHTS



15.100 Resistors for LED lights

NOTE: heating elements for led lights

Code	Volt	Watt	Width	Height	Resistor	Temperature Range	Length
212001	12	21	14,2	14,8	10 Ohm	+ 160°C	49,1
424001	24	21	14,2	14,8	33 Ohm	+ 160°C	49,1

NOTES: the code 212001 can be used at 24V with a consumption of 5W.

Section 16



Others

Section n °16

Others

GLOVES

16.1

Section nº16 - Others

GLOVES

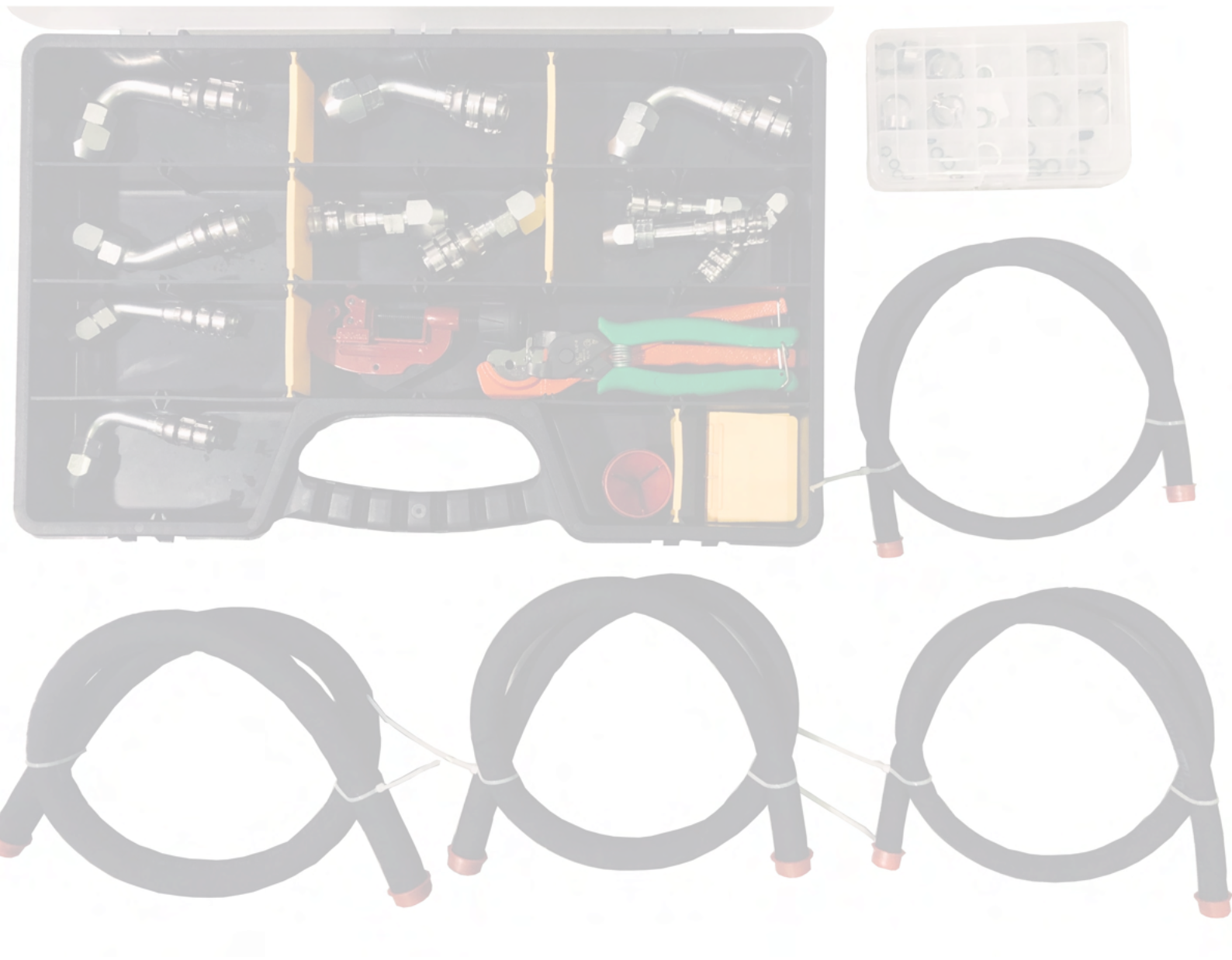


16.1 COMFORT DISPOSABLE GLOVES

Code	Color	Raw Material	Contact Size	Length	Depth
93852L/100	black	nitrile	L	245	0,12
93852M/100	black	nitrile	M	245	0,12
93852XL/100	black	nitrile	XL	245	0,12

Ideal for light assembly operations of oiled parts. Nitrile gloves. Black color to mask the machines in special applications. Fully textured design. Foam-free formula for a firm grip even with wet objects. Antistatic according to EN1149. It does not contain natural latex rubber and is dust-free, to better protect workers from Type I allergies, dehydration and skin irritations.

Section 17



A/C Circuit repair

Section n °17

A/c circuit repair

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Section n°17 - A/c circuit repair

AIR CONDITIONING KIT

APPLICATION: repair of air conditioning systems.



17.1 Air Conditioning Repaire Kit

NOTE: this kit included all items here belows.

Code
61000

STRAIGHT FITTINGS



17.2 Straight fittings

Code	Type	O-Ring Code	Diam. Metal Pipe	Rubber tube type
60005	straight 05	OR05	7,6-8,5	S06
60006	Straight 06	OR06	9,5-10	S06
60008	Straight 08	OR08	12-12,7	S08
60010	Straight 10	OR10	15,8-16	S10
60012	Straight 12	OR10	15,8-16	S12
60019	Straight 19	OR19	19-19,1	S12

CURVED FITTINGS AT 45 °



17.3 45 ° curved fittings

Code	Type	O-Ring Code	Diam. Metal Pipe	Rubber tube type
64505	Curved 45° - 05	OR05	7,6-8,5	S06
64506	Curved 45 ° - 06	OR06	9,5-10	S06
64508	Curved 45 ° - 08	OR08	12-12,7	S08
64510	Curved 45 ° - 10	OR10	15,8-16	S10
64512	Curved 45 ° - 12	OR10	15,8-16	S12
64519	Curved 45 ° - 19	OR19	19-19,1	S12

CURVED FITTINGS AT 90 °



17.4 90 ° curved fittings

Code	Type	O-Ring Code	Diam. Metal Pipe	Rubber tube type
69005	Curved 90° - 05	OR05	7,6-8,5	S06
69006	Curved 90 ° - 06	OR06	9,5-10	S06
69008	Curved 90 ° - 08	OR08	12-12,7	S08
69010	Curved 90 ° - 10	OR10	15,8-16	S10
69012	Curved 90 ° - 12	OR10	15,8-16	S12
69019	Curved 90 ° - 19	OR19	19-19,1	S12

Section n°17 - A/c circuit repair

REFRIMASTER AND MAFLOW ARTIK NK MALE/MALE FITTINGS



17.5 REFRIMASTER and MAFLOW ARTIK NK Male/Male Fittings

Code	Ext. Diam.	Rubber tube type	Band Color	DN	Internal Diameter	Size
60606N	12,2 - 13,2	S06	Black	8	7,5 - 8,5	6
60808N	16,0 - 17,0	S08	Black	10	10,0 - 11,0	8
61010N	17,6 - 18,6	S10	Black	13	12,5 - 13,5	10
61212N	21,2 - 22,2	S12	Black	16	15,5 - 16,5	12

GALAXY MALE/MALE FITTINGS



17.6 GALAXY Male/Male Fittings

Code	Ext. Diam.	Rubber tube type	Band Color	DN	Internal Diameter	Size
60606V	14,2 - 15,2	S06	Green	8	7,0 - 8,6	6
60808V	16,8 - 17,8	S08	Green	10	10,4 - 11,2	8
61010V	18,9 - 19,9	S10	Green	13	12,5 - 13,5	10
61212V	23,1 - 24,1	S12	Green	16	15,6 - 16,6	12

Section n°17 - A/c circuit repair

FLEXIBLE RUBBER HOSES



17.7 Flexible hoses in rubber

Code	Type	Notes
61006/2	S06	Pipe length 2 meters
61006/10	S06	Pipe length 10 meters
61008/2	S08	Pipe length 2 meters
61008/10	S08	Pipe length 10 meters
61010/2	S10	Pipe length 2 meters
61010/10	S10	Pipe length 10 meters
61012/2	S12	Pipe length 2 meters
61012/10	S12	Pipe length 10 meters

O.RING



17.8 O-Ring

Code	Application
OR05	for fittings of 5
OR06	for fittings of 6
OR08	for fittings of 8
OR10	for fittings of 10
OR19	for fittings from 12 to 19

REPLACEMENT CLAMPS FOR AIR CONDITIONING FITTINGS



17.9 Spare clamps for Air Conditioning fittings

Code	Width	Diameter
CLP06	8	140
CLP08	8	150
CLP10	8	190
CLP12	8	220

Section n°17 - A/c circuit repair

AIR CONDITIONING TOOLS



17.10 Cutter for Roll tube

Code
62000



17.11 Deburring tool for rigid pipes

Code
62001



17.12 Cutter for Rubber Pipe

Code
62002



17.13 Hand Tool Clamp Clamp

Code
62003



17.14 Professional Hand Tool Clamp Clamps

Code
62004

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6942	4.87	7007	4.177	7111	4.108	7193	4.135
6943	4.58	70122	15.40	71151	15.44	7194	4.201
6944	4.58	7031	4.235	7116-4417-02	4.55	7196	4.116
6946	4.161	70357	15.39	71167	15.43	7197	4.107
6947	4.161	7042	4.107	7117	4.108	7198	10.22
6948	4.162	7059	3.12	7123	4.108	72191	15.32
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6953	4.77	7062	4.77	7129	4.258	727004	9.15
6954	4.57	7063	4.77	7130	4.257	727005	9.15
6957	4.216	7064	4.77	7131	3.64	727006	9.15
6959	4.285	7065	4.221	7132	4.205	727007	9.15
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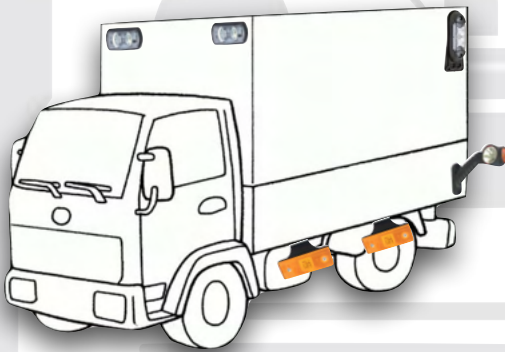
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