



STD Series Multi-Wire Connectors Spare Parts and Accessories

Crimp Contacts - 10 and 16 Amp

Crimp contacts are made of hard silver-plated or gold-plated copper alloy. Wires to be connected must be carefully matched with the correct wire size of crimp contacts. Crimp contacts should be installed using a crimping tool.
For applications with voltages and currents lower than 5V and 5mA gold plated contacts are recommended.

10 Amp Crimp Contacts - 100/Pack								
	Male	Price	Weight [lb]	Female	Price	Weight [lb]	Wire Gauge mm ² [AWG]	Stripping Length
Silver-Plated	ZP-MC-CC-M10A-22	\$50.00	0.150	ZP-MC-CC-F10A-22	\$53.00	0.150	0.14-0.37 [26-22]	8 mm [0.32 in]
	ZP-MC-CC-M10A-20	\$50.00	0.150	ZP-MC-CC-F10A-20	\$55.00	0.140	0.5 [20]	
	ZP-MC-CC-M10A-18	\$50.00	0.150	ZP-MC-CC-F10A-18	\$55.00	0.150	0.75 [18]	
	ZP-MC-CC-M10A-16	\$50.00	0.150	ZP-MC-CC-F10A-16	\$55.00	0.140	1.5 [16]	
	ZP-MC-CC-M10A-14	\$50.00	0.140	ZP-MC-CC-F10A-14	\$55.00	0.150	2.5 [14]	
Gold-Plated	ZP-MC-CC-M10A-22G	\$104.00	0.157	ZP-MC-CC-F10A-22G	\$111.00	0.159	0.14-0.37 [26-22]	
	ZP-MC-CC-M10A-20G	\$104.00	0.150	ZP-MC-CC-F10A-20G	\$111.00	0.157	0.5 [20]	
	ZP-MC-CC-M10A-18G	\$104.00	0.146	ZP-MC-CC-F10A-18G	\$128.00	0.150	0.75 [18]	
	ZP-MC-CC-M10A-16G	\$104.00	0.146	ZP-MC-CC-F10A-16G	\$111.00	0.150	1.5 [16]	
	ZP-MC-CC-M10A-14G	\$104.00	0.146	ZP-MC-CC-F10A-14G	\$111.00	0.152	2.5 [14]	



Male Crimp Contact



Female Crimp Contact



Male Crimp Contact



Female Crimp Contact

16 Amp Crimp Contacts - 100/Pack								
	Male	Price	Weight [lb]	Female	Price	Weight [lb]	Wire Gauge mm ² [AWG]	Stripping Length
Silver-Plated	ZP-MC-CC-M16A-22	\$34.50	0.280	ZP-MC-CC-F16A-22	\$40.00	0.280	0.14-0.37 [26-22]	7.5 mm [0.29 in]
	ZP-MC-CC-M16A-20	\$37.50	0.360	ZP-MC-CC-F16A-20	\$40.00	0.350	0.5 [20]	
	ZP-MC-CC-M16A-18	\$34.50	0.270	ZP-MC-CC-F16A-18	\$32.00	0.290	0.75 [18]	
	ZP-MC-CC-M16A-16	\$34.50	0.350	ZP-MC-CC-F16A-16	\$40.00	0.350	1.5 [16]	
	ZP-MC-CC-M16A-14	\$34.50	0.270	ZP-MC-CC-F16A-14	\$40.00	0.280	2.5 [14]	
	ZP-MC-CC-M16A-12	\$34.50	0.350	ZP-MC-CC-F16A-12	\$40.00	0.350	4.0 [12]	
Gold-Plated	ZP-MC-CC-M16A-22G	\$149.00	0.280	ZP-MC-CC-F16A-22G	\$227.00	0.322	0.14-0.37 [26-22]	
	ZP-MC-CC-M16A-20G	\$149.00	0.276	ZP-MC-CC-F16A-20G	\$227.00	0.318	0.5 [20]	
	ZP-MC-CC-M16A-18G	\$149.00	0.273	ZP-MC-CC-F16A-18G	\$227.00	0.315	0.75 [18]	
	ZP-MC-CC-M16A-16G	\$149.00	0.273	ZP-MC-CC-F16A-16G	\$227.00	0.320	1.5 [16]	
	ZP-MC-CC-M16A-14G	\$154.00	0.276	ZP-MC-CC-F16A-14G	\$227.00	0.320	2.5 [14]	
	ZP-MC-CC-M16A-12G	\$149.00	0.273	ZP-MC-CC-F16A-12G	\$227.00	0.329	4.0 [12]	

Note: The crimp contact ampacities listed above are the Maximum current ratings for the crimp contacts only.
The current rating DOES NOT reflect the wire gauge current rating.

Crimp Contact Tools				
Part Number	Price	Qty	Description	Weight [lb]
ZP-MC-CT1	\$775.00	1	Crimping tool w/die set and locator	1.593
ZP-MC-CT2	\$112.00		Crimping tool w/die set only, no locator	0.814
ZP-MC-RT1	\$116.00		Removal tool for 10A contacts	0.081
ZP-MC-RT2	\$105.00		Removal tool for 16A contacts	0.086



[ZP-MC-CT1](#)



[ZP-MC-CT2](#)



[ZP-MC-RT1](#)



[ZP-MC-RT2](#)



STD Series Multi-Wire Connectors

Spare Parts and Accessories

Cable Glands

IP66 Glands

Plastic

- Thread: 1.5 mm pitch in accordance with EN 50262, Pg in accordance with DIN 40430
- IP Protection: IP66 in accordance with EN 60529
- Working Temperature: -40 to 125°C [-40 to 257°F]
- Materials: Body - Glass filled polyamide UL 94 V0; Washer - zinc plated steel; Gasket - Elastomer
- Includes two washers and four gaskets to accommodate a wide range of cable diameters
- Applications: for size 3A plastic type housings

Metal

- Thread: 1.5 mm pitch in accordance with EN 50262, Pg in accordance with DIN 40430
- IP Protection: IP66 in accordance with EN 60529
- Working Temperature: -40 to 125°C [-40 to 257°F]
- Materials: Body - nickel-plated brass; Washer - zinc plated steel; Gasket - Elastomer
- Includes two washers and four gaskets to accommodate a wide range of cable diameters
- Applications: for all sizes metal type housings

IP68 Glands

Metal

- Thread: 1.5 mm pitch in accordance with EN 50262, Pg in accordance with DIN 40430
- IP Protection: IP68, patented design for up to 5 bars
- Working Temperature: -40 to 125°C [-40 to 257°F]
- Materials: Body - nickel-plated brass; Strain relief - Glass filled polyamide UL 94 V0; Gasket - Elastomer
- Applications: for industrial connector housings where higher protection and strength are required

IP66 Cable Glands						
Part Number	Price	Qty	Type	Cable Diameter mm [in]	Thread	Weight [lb]
ZP-MC-CG-11P5	\$1.50	1	Plastic	7-12 [0.275-0.472]	Pg 11	0.019
ZP-MC-CG-11M5	\$2.75		Metal	7-12 [0.275-0.472]	Pg 11	0.030
ZP-MC-CG-13M5	\$2.25			7-12 [0.275-0.472]	Pg 13.5	0.031
ZP-MC-CG-16M5	\$2.75			7-14.5 [0.275-0.570]	Pg 16	0.041
ZP-MC-CG-21M5	\$3.00			9.5-18.5 [0.374-0.728]	Pg 21	0.070
ZP-MC-CG-29M5	\$4.50			17.5-26.5 [0.688-1.043]	Pg 29	0.125
ZP-MC-CG-36M5	\$8.75			23.5-32.5 [0.925-1.279]	Pg 36	0.249

Note: IP66 cable glands with washers CANNOT be used with HC (High Construction) top or side entry housings. You must use the IP68 cable glands. IP66 glands can be used with surface mount HC (High Construction) housings



IP66 Cable Glands - Plastic



IP66 Cable Glands - Metal



IP68 Cable Glands

IP68 Cable Glands						
Part Number	Price	Qty	Type	Thread	Diameter mm [in]	Weight [lb]
ZP-MC-CG-11M8	\$40.00	10 per pack	Metal	Pg 11	4-10 [0.157-0.393]	0.451
ZP-MC-CG-13M8	\$41.50			Pg 13.5	5-12 [0.197-0.472]	0.780
ZP-MC-CG-16M8	\$58.00			Pg 16	8-14 [0.314-0.551]	0.881
ZP-MC-CG-21M8	\$47.50	5 per pack		Pg 21	11-18 [0.433-0.708]	0.727
ZP-MC-CG-29M8	\$85.00			Pg 29	16-25 [0.629-0.984]	1.466
ZP-MC-CG-36M8	\$122.00			Pg 36	19-36 [0.748-1.417]	2.205



STD Series Multi-Wire Connectors

Spare Parts and Accessories

Blanking Plugs with Gasket

- Thread: 1.5 mm pitch in accordance with EN 50262, Pg in accordance with DIN 40430
- IP Protection: IP68 in accordance with EN 60529
- Working Temperature: -40 to 125°C [-40 to 257°F]
- Materials: Body - nickel-plated brass; Gasket - Elastomer
- Applications: for blanking threaded holes on housings or other enclosures

Blanking Plugs With Gasket					
Part Number	Price	Qty	Type	Thread	Weight [lb]
ZP-MC-PLG-11M8	\$22.00	10 per pack	Metal	Pg 11	0.169
ZP-MC-PLG-13M8	\$23.00			Pg 13.5	0.192
ZP-MC-PLG-16M8	\$31.00			Pg 16	0.253
ZP-MC-PLG-21M8	\$49.00			Pg 21	0.478
ZP-MC-PLG-29M8	\$50.00	5 per pack		Pg 29	0.218
ZP-MC-PLG-36M8	\$77.00			Pg 36	0.706



Blanking Plugs With Gasket

Pg to NPT Adapters

Thread: Metric 1.5 mm pitch Pg in accordance with DIN 40430, NPT in accordance with USAS B2-1

- IP Protection: dependant on coupling and other components
- Working Temperature: -60 to 200°C [-76 to 392°F]
- Materials: nickel-plated brass
- Applications: for converting a Pg thread to an NPT thread

Pg to NPT Adapters						
Part Number	Price	Qty	Type	Pg Thread	NPT Thread	Weight [lb]
ZP-MC-A-11038	\$8.75	1	Metal	Pg 11	3/8"	0.044
ZP-MC-A-11012	\$6.50			Pg 11	1/2"	0.072
ZP-MC-A-13012	\$6.50			Pg 13.5	1/2"	0.106
ZP-MC-A-16012	\$11.00			Pg 16	1/2"	0.070
ZP-MC-A-21034	\$12.50			Pg 21	3/4"	0.101
ZP-MC-A-29100	\$21.00			Pg 29	1"	0.194
ZP-MC-A-29114	\$22.00			Pg 29	1 1/4"	0.238
ZP-MC-A-36114	\$24.50			Pg 36	1 1/4"	0.201



Pg to NPT Adapters

Replacement Gaskets

Replacement Gaskets						
Part Number	Price	Qty	Size	Type	Material	Weight [lb]
ZP-MC03A-GSK	\$8.75	10 per pack	3A	For bulkhead housings	Nitrile Butadiene Rubber (NBR)	0.085
ZP-MC10A-GSK	\$7.00		10A			0.082
ZP-MC16A-GSK	\$7.25		16A			0.079
ZP-MC06B-GSK	\$8.50		6B			0.097
ZP-MC10B-GSK	\$8.75		10B			0.105
ZP-MC16B-GSK	\$10.00		16B			0.127
ZP-MC24B-GSK	\$10.50		24B			0.141
ZP-MC32B-GSK	\$18.50		32B			0.229



Replacement Gaskets



STD Series Multi-Wire Connectors

Spare Parts and Accessories

Insert Plates with Cutouts

Insert Plates with Cutouts				
Part Number	Price	Qty	Description	Weight [lb]
<u>ZP-MC6B-2-1XDB9</u>	\$2.00	1	ZIPport insert plate, (1) 9-pin D-sub connector cutout(s), thermoplastic, RAL 7044 gray. For use with ZIPport size 6B connector housing.	0.0176
<u>ZP-MC6B-2-2XDB9</u>	\$1.75		ZIPport insert plate, (2) 9-pin D-sub connector cutout(s), thermoplastic, RAL 7044 gray. For use with ZIPport size 6B connector housing.	0.0154
<u>ZP-MC6B-2-1XDB15</u>	\$2.00		ZIPport insert plate, (1) 15-pin D-sub connector cutout(s), thermoplastic, RAL 7044 gray. For use with ZIPport size 6B connector housing.	0.0176
<u>ZP-MC6B-2-2XDB15</u>	\$1.75		ZIPport insert plate, (2) 15-pin D-sub connector cutout(s), thermoplastic, RAL 7044 gray. For use with ZIPport size 6B connector housing.	0.0154

Note: machine screw M3-0.5x16 hardware not included



Insert Plates with Cutouts

Bulkhead Cutout Reducing Plates

Bulkhead Cutout Reducing Plates				
Part Number	Price	Qty	Description	Weight [lb]
<u>ZP-MC24B-2-RD6B</u>	\$6.75	1	ZIPport bulkhead cutout reducing plate, thermoplastic, RAL 7044 gray. For use with ZIPport size 24B bulkhead cutouts. Gasket included. Reduces cutout to ZIPport size 6B.	0.0838
<u>ZP-MC24B-2-RD10B</u>	\$6.75		ZIPport bulkhead cutout reducing plate, thermoplastic, RAL 7044 gray. For use with ZIPport size 24B bulkhead cutouts. Gasket included. Reduces cutout to ZIPport size 10B.	0.0816
<u>ZP-MC24B-2-RD16B</u>	\$6.75		ZIPport bulkhead cutout reducing plate, thermoplastic, RAL 7044 gray. For use with ZIPport size 24B bulkhead cutouts. Gasket included. Reduces cutout to ZIPport size 16B.	0.0772



Bulkhead Cutout Reducing Plates

Bulkhead Cutout Blank Covers

Bulkhead Cutout Blank Covers				
Part Number	Price	Qty	Description	Weight [lb]
<u>ZP-MC6B-2-BLANK</u>	\$5.00	1	ZIPport bulkhead cutout blank cover plate, thermoplastic, RAL 7044 gray. For use with ZIPport size 6B bulkhead cutouts. Gasket included.	0.4343
<u>ZP-MC10B-2-BLANK</u>	\$5.00		ZIPport bulkhead cutout blank cover plate, thermoplastic, RAL 7044 gray. For use with ZIPport size 10B bulkhead cutouts. Gasket included.	0.0463
<u>ZP-MC16B-2-BLANK</u>	\$5.00		ZIPport bulkhead cutout blank cover plate, thermoplastic, RAL 7044 gray. For use with ZIPport size 16B bulkhead cutouts. Gasket included.	0.0529
<u>ZP-MC24B-2-BLANK</u>	\$6.75		ZIPport bulkhead cutout blank cover plate, thermoplastic, RAL 7044 gray. For use with ZIPport size 24B bulkhead cutouts. Gasket included.	0.0573



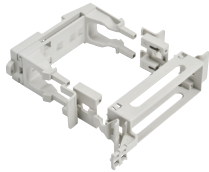
Bulkhead Cutout Blank Covers



STD Series Multi-Wire Connectors Spare Parts and Accessories

DIN Rail Mounting Kits

- For mounting inserts inside an enclosure
- Fits 35mm DIN rail



DIN Rail
Mounting Kits



ZP-MC-RT3

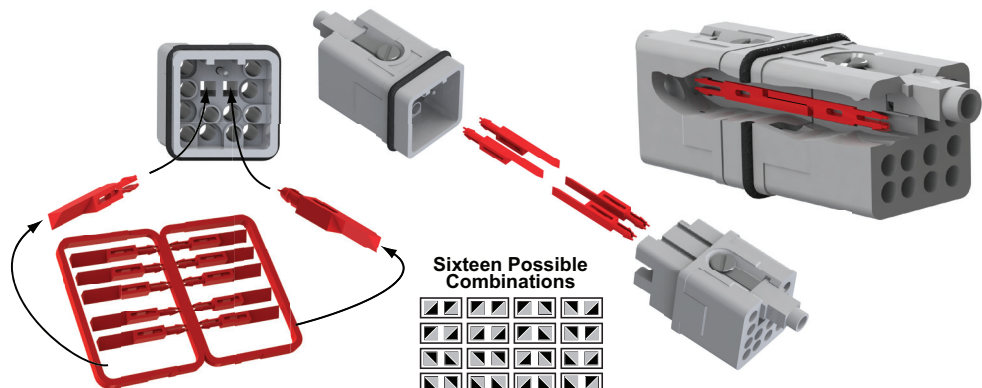
DIN Rail Mounting Kits				
Part Number	Price	Qty	Description	Weight [lb]
<u>ZP-MC06B-DKIT</u>	\$34.50	1	For size 6B inserts	0.374
<u>ZP-MC10B-DKIT</u>	\$34.50		For size 10B inserts	0.377
<u>ZP-MC16B-DKIT</u>	\$41.00		For size 16B inserts	0.385
<u>ZP-MC24B-DKIT</u>	\$41.00		For size 24B inserts	0.392
<u>ZP-MC-RT3</u>	\$276.00		Insert removal tool	0.052

Replacement Screws/Polarization Key

Replacement Screws / Polarization Key				
Part Number	Price	Qty	Description	Weight [lb]
<u>ZP-MC-SCRWKIT</u>	\$7.25	2 pieces of each part	M3.5 - PE screw for size 3A inserts	0.048
			M4 - PE screw for size 6B insert, size 10B insert, size 16B insert (16+PE) and size 24B insert (24+PE)	
			M4 - PE screw for size 16B insert (6+PE) and size 24B insert (8+4+PE)	
			M3 - Installation screw for 3A inserts only	
			M3 - Installation screw for all inserts except 3A	
<u>ZP-MC-POLKEY-1</u>	\$6.75	12	Polarization key for size 3A 12-pin inserts. Two keys are required per coupled connection.	0.011



Polarization
Key



Using the Polarization Key



STD Series Multi-Wire Connectors Spare Parts and Accessories

Code Pins					
Part Number	Price	Qty	Description	Figure	Weight [lb]
ZP-MC-CODEPIN-2	\$10.50	16 per pack	Single code pin	1	0.009
ZP-MC-CODEPIN-3	\$8.75	16 per pack	Male code pin (use w/ ZP-MC-CODEPIN-4)	2	0.064
ZP-MC-CODEPIN-4	\$20.50	16 per pack	Female code pin (use w/ ZP-MC-CODEPIN-3)	3	0.101

* Code pins are used in applications where there are identical connectors that could be coupled with the incorrect mate, potentially causing equipment damage or breakdown. Code pins replace the installation screws on the inserts. Code pins do NOT work with 3A inserts or 32x13 inserts. The following combinations of code pins allow for a selective number of couples. Material is zinc-plated steel.



Figure 1



Figure 2



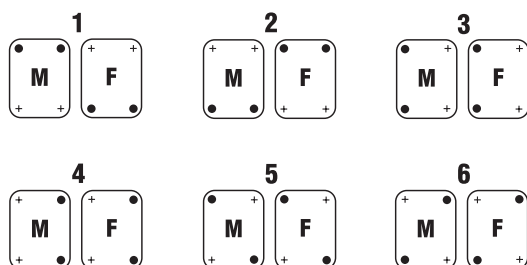
Figure 3

Coding Pin Configurations

Single Code Pin

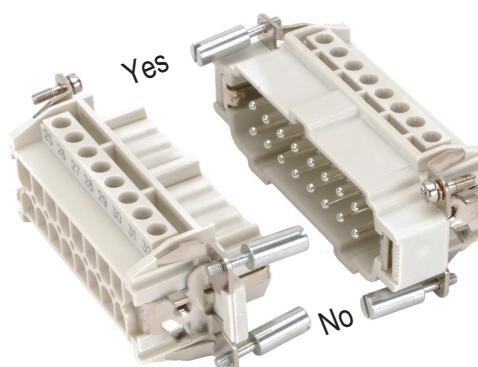
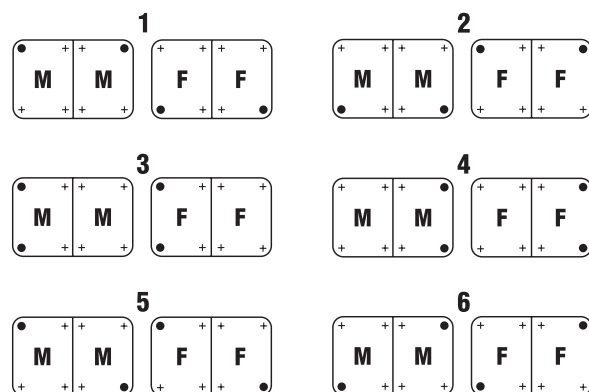
The [ZP-MC-CODEPIN-2](#) is designed to be used as a single stand-alone code pin using the following configurations.

Application with single insert



- Code pin ZP-MC-CODEPIN-2
- + Normal fixing screw
- M** Male insert
- F** Female insert

Application with double insert





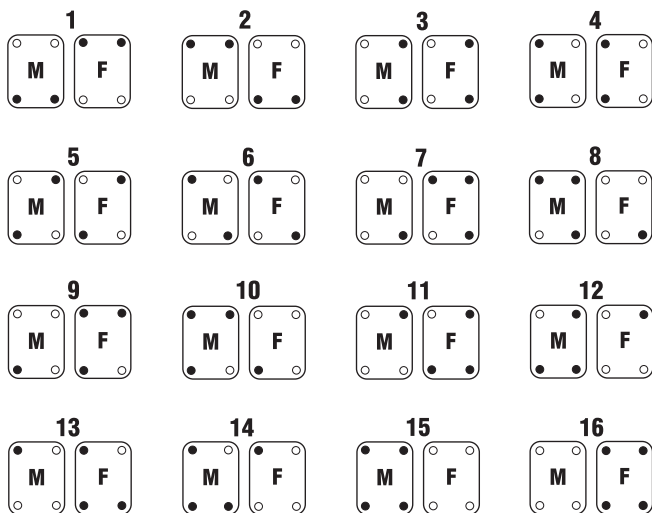
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Coding Pin Configurations

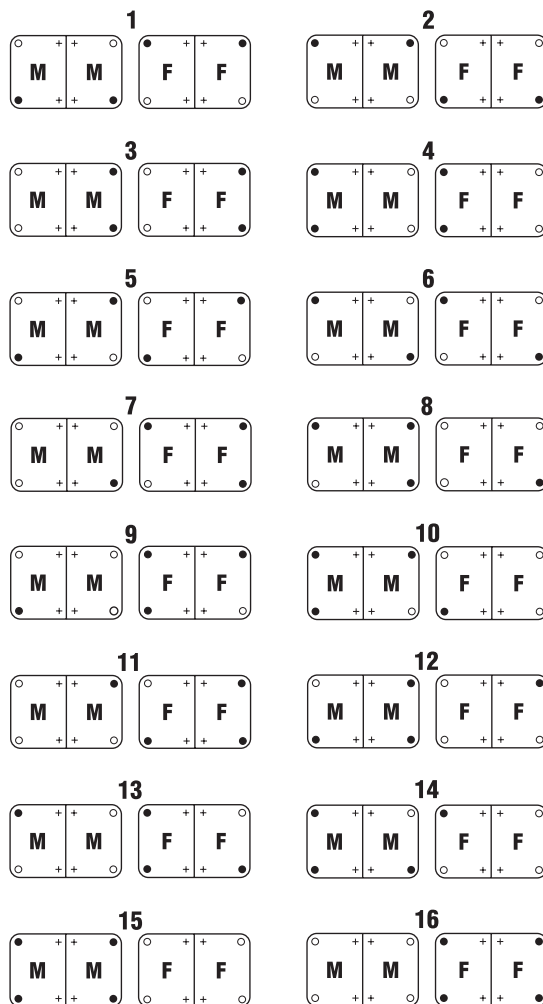
Male / Female Code Pins

The [ZP-MC-CODEPIN-3](#) and the [ZP-MC-CODEPIN-4](#) are designed to be used together using the following configurations.

Application with single insert



Application with double insert



- Male code pin ZP-MC-CODEPIN-3
- Female code pin ZP-MC-CODEPIN-4
- + Normal fixing screw
- M** Male insert
- F** Female insert

