



Multi-Wire Connectors

Features

- Available in 3A, 10A, 16A, 6B, 10B, 16B, and 24B sizes
- Heavy-duty metal housings in polyester powder-coated die-cast aluminum alloy or self-extinguishing thermoplastic housing
- Single locking system (one lever locked on two pegs) or double locking system (two levers locked on four pegs)
- Mechanical duration of 500 cycles
- Operating temperatures from -40 to 125°C [-40 to 257°F]
- IP65 degree of protection with enclosure when coupled
- Conforms with EN61984, VDE 0110, VDE 0627, and UL 1977 standards
- UL and CE approvals

Housings

Hoods

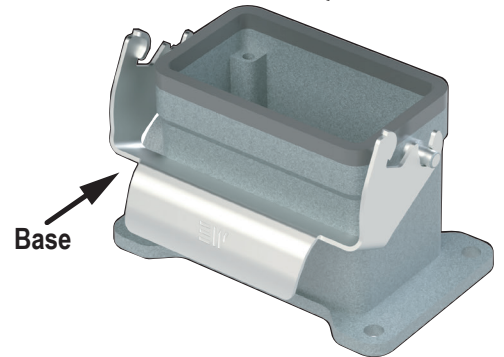
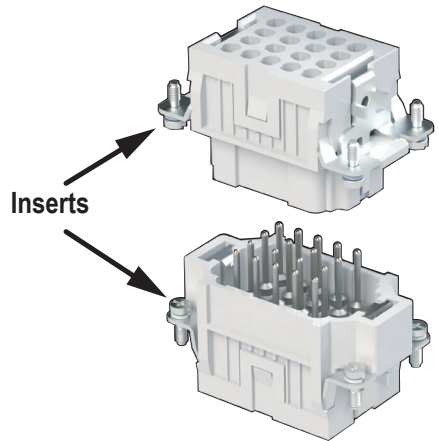
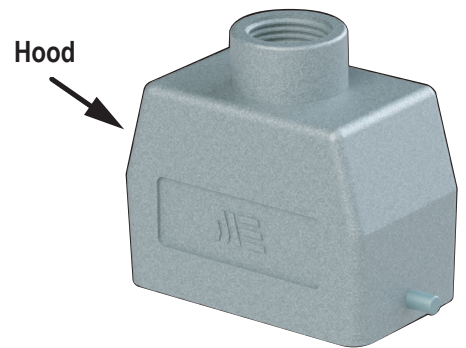
- Available with top entry and side entry cable passages
- Standard profiles
- Threaded cable passages with NPT threads
- Stainless steel or thermoplastic locking pegs

Bases, Couplers, and Covers

- Surface- and bulkhead-mounted bases
- Seal gaskets made of anti-aging, oil-resistant and fuel-resistant vinyl nitrile elastomer
- Locking levers made of galvanized steel or self-extinguishing glass-filled thermoplastic; guarantees perfect closing and sealing

Inserts

- Self-extinguishing thermoplastic reinforced with glass fibers
- Asymmetric guide rails prevent incorrect coupling
- Captive installation screws allow for easy and secure installation to bases and hoods
- Laser-printed or molded terminal/contact positions on both sides of insert
- Copper alloy contacts with hard silver plating - available with stainless steel captive screw terminal or machined crimp contact
- Wide contact surface for ground terminals
- IP20 without enclosures
- Suitable for stranded and solid conductors



Agency Approvals

- UL Recognized File number E307105
- CE



To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.

General Characteristics

Application Examples

- Electronic machinery
- Robots
- Control equipment
- Power connections
- Control and signal circuits
- Packaging machinery
- Theatrical applications
- Industrial equipment
- Electrical panels

Inserts

METEcon multi-wire connectors require one male and one female insert. The inserts are available in multiple pole configurations from 2-poles plus ground up to 108-poles plus ground and with termination sizes ranging from 26 to 12 AWG, 10 to 80 Amps.

METEcon inserts are made of UL 94 V-0 rated self-extinguishing thermoplastic resin rated at a maximum temperature of 125°C (257°F). The inserts are available in screw terminal and crimp-style contact block connections. The contacts are copper alloy with a hard silver-plated alloy. The plastic insulators are numbered on both sides by laser printing or molding in accordance with EN 60068-2-70.

- Suitable for use with alternating current (AC) or direct current (DC)
- Leading protective ground
- Polarized for correct mating
- Interchangeable for male and female inserts in hoods and bases
- Captive screws
- Exception: 3A has housing/hood specifically for female or for male.

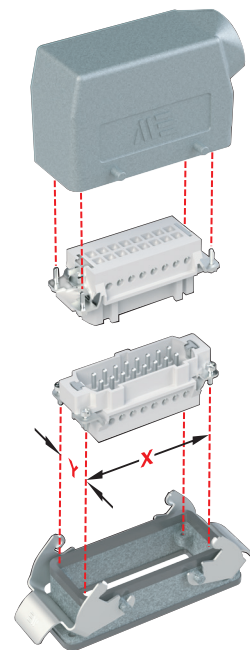
Housings

The housings for the METEcon multi-wire connectors consist of a hood that mates with a base or a coupler.

They are made of die-cast aluminum with a polyester powder finish or from self-extinguishing thermoplastic and are suitable for use in industrial applications.

A single- or double-lever locking system assures coupling stability and protection against accidental opening. The locking system is comprised of stainless steel or glass-filled thermoplastic levers, with compatible interlocking pegs.

Size and Identification



Size 16B

The size of each type of connector is determined by the distance between the center points of the four installation screws. These four points are common to both the insert and the housing. This is indicated by "X"-"Y" in the illustration above.

The table below lists the size identification and the actual X-Y distance for each type of connector offered.

Size	Distance X-Y
3A	21 x 21mm* [0.83 x 0.83in]
10A	49.5 x 16mm [1.95 x 0.63in]
16A	66 x 16mm [2.60 x 0.63in]
6B	44 x 27mm [1.73 x 1.06in]
10B	57 x 27mm [2.24 x 1.06in]
16B	77.5 x 27mm [3.05 x 1.06in]
24B	104 x 27mm [4.09 x 1.06in]

* The center distance cannot be given because the 3A inserts have only one screw: 21 x 21 indicates the size of the sectioned insert.

Conductor Termination

Overview

Two types of conductor termination are available for METEcon inserts:

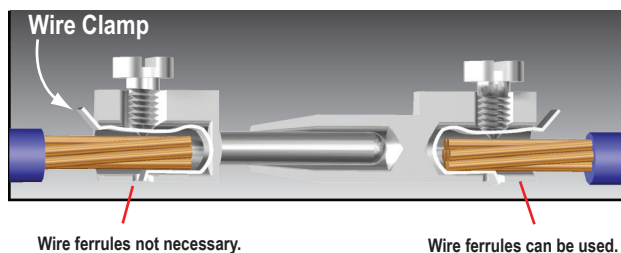
- Screw terminations
- Crimp terminations

Screw Terminations

Screw terminations consist of contacts made of silver-plated copper alloy and are incorporated with a wire clamp (with the exception of the size 3A inserts and size 24B with 80A contacts) for firmly securing the conductors. The screw terminals use stainless steel captive screws and meet VDE 0609 / EN 60999 standards.

Proper conductor installation requires no special preparation when using inserts with the wire clamp terminals (no wire ferrules). The table below lists the current rating, maximum wire gauge, and stripping lengths.

Current Rating	Max Wire Gauge		Stripping Length mm [n]
	(mm ²)	AWG	
10A	2.5	14	7 [0.28]
16A	2.5	14	7 [0.28]
35A	6.0	10	7 [0.28]
16/80A	2.5/16	14/6	7.5 [0.3] / 14 [0.55]



Screw Terminals with Clamps

The value of tensile strength of conductors in accordance with the dimensions of the screws and the wires are shown in the following table:

Wire Gauge mm ² [AWG]	1.5 [16]	2.5 [14]	4 [12]	6 [10]	10 [8]	16 [6]
Size of Screw	M3	M3	M3.5	M4	M4	M6
Tensile Strength of Stranded Wire (N)	40	50	60	80	90	100

Increasing the tightening torque does not necessarily improve the contact resistance. The screw torques are selected according to standard EN 60999-1, to provide excellent mechanical, thermal, and electrical behavior. The conductor or terminal may be damaged if the recommended values are significantly exceeded.

Insert Screw Specifications

Insert Size	Screw Type	Screw Size	Tightening Torque N·m [in·lb]	Recommended Screwdriver Size	Recommended Screwdriver Part Number
3A	10 Amp Terminal	M3	0.50 [4.4]	0.4 x 2.5	TW-SD-VSL-2
	Installation				
	Ground	M3.5			
10A, 16A	16 Amp Terminal	M3	0.50 [4.4]	0.5 x 3.0	TW-SD-SL-1
	Installation				
	Ground	M4			
6B, 10B	16 Amp Terminal	M3	0.50 [4.4]	Ph 0 - 0.8 x 4	TW-SD-VSL-3
	Installation				
	Ground	M4		Ph 2 1.0 x 5.5	TW-SD-VSL-4
16B	35 Amp Terminal	M4	1.2 [10.6]	Ph 1 - 0.8 x 4	TW-SD-VSL-3
	16 Amp Terminal	M3	0.50 [4.4]	Ph 0 - 0.8 x 4	
	Installation				
	Ground	M4	1.2 [10.6]	Ph 2 1.0 x 5.5	
24B	80 Amp Terminal	M6	1.5 mm² [16 AWG] 1.2 [10.6]	1.0 x 5.5	TW-SD-VSL-4
			2.5 mm² [14 AWG] 2 [17.7]		
			4-16 mm² [12-6 AWG] 3 [26.6]		
	16 Amp Terminal	M3	0.50 [4.4]	Ph 0 - 0.8 x 4	TW-SD-VSL-3
	Installation				
	Ground				

Crimp Terminations

Crimp terminations consist of contacts made of silver-plated copper alloy. Crimp terminations are accomplished by applying a crimp contact to the conductor by means of a crimping tool. Crimp contacts are available in several sizes:

10 amp, 26-14 AWG ; 16 amp, 26-12 AWG

A perfect crimp connection is gas-tight, corrosion-free, and is equal to a cold weld of the parts being connected. Wires to be connected must be carefully matched with the correct wire size of crimp contacts.

The requirements for crimp connectors are depicted in IEC 60352, part 2.

Note: Low currents and voltages:

METEcon standard contacts (screw and crimp) have a silver-plated surface. This metal has excellent conductive properties. During the contact's lifetime, the silver surface generates a black oxide layer due to its affinity to sulphur (always present in the atmosphere). This layer is conductive smooth and very thin and is partly interrupted when the contacts are mated and non mated, thus guaranteeing very low contact resistances. In the case of very low current or voltage, small changes to the transmitted signal may be encountered.

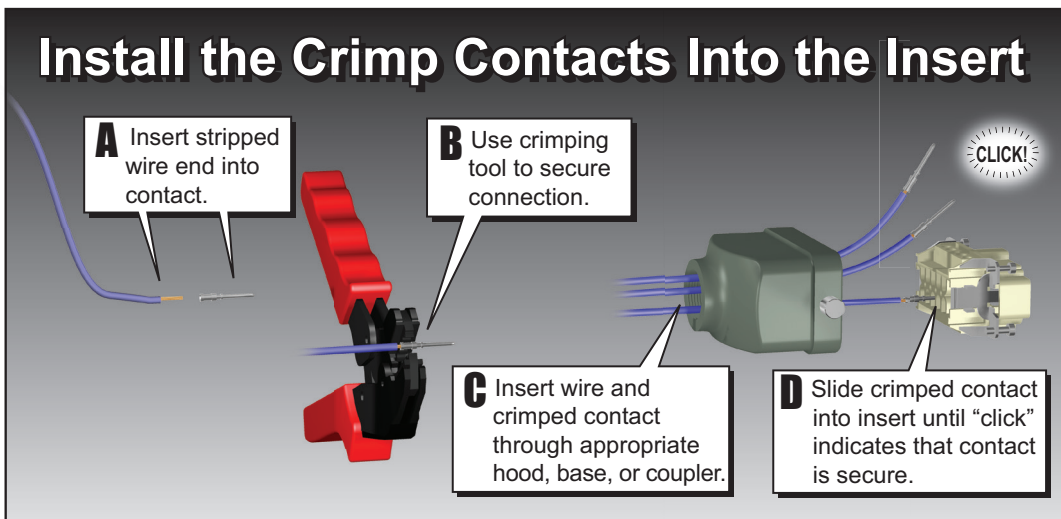
Crimp Contact to Insert Installation

Proper installation of the crimp contacts is important for a good electrical and mechanical connection. The following steps will ensure correct installation.

Step 1: Select the Crimp Contacts

Select a crimp contact based on the rating of the Insert you are using; 10 or 16 amps; the gender (male or female), and the gauge of wire being used.

Step 2:

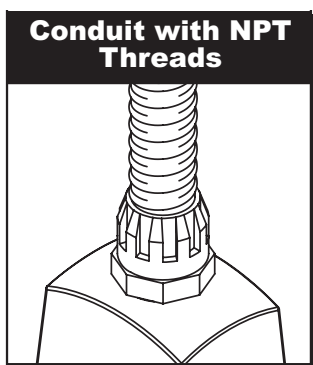


Step 3: Install the Insert into the Housing

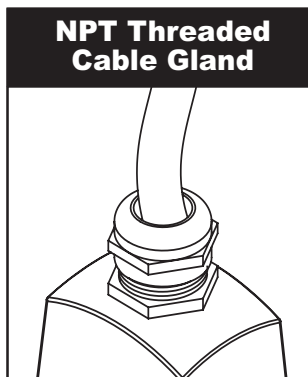
Now that the crimp contacts are installed, the Insert can be placed into the housing by aligning the corner installation screws of the insert with the screw holes located in the corners of the housing. Tighten the screws according to the tightening torques listed in the Insert Screw Specifications table in this document.

Wire Entry Connection

METEcon openings for easy conduit and cable terminations. The openings come in NPT threaded sizes 3/8", 1/2", or 3/4".



Secures NPT threaded flexible conduit directly to the housing.



For securing a cable to the housing, use an NPT threaded cable gland.



Multi-Wire Connectors

Standards

The Inserts are designed and manufactured to conform with EN 61984, (IEC 61984), VDE 0627, and UL 1977/CSA C22.2 182.3 standards. They are certified and labeled with the cULus and CE marks. The connectors are therefore in conformance with both European/International and American systems. This permits them to be used in a wider range of applications worldwide.

• EN 61984	Connectors safety requirements and tests
• VDE 0627	Connectors (DIN VDE 0627)
• EN 60664-1	Insulation coordination for equipment within low-voltage systems
• VDE 0110	Table 4 concerning clearance and creepage distances
• EN 60512	Connectors for electronic equipment, tests, and measurements
• UL 1977	Component connectors for use in data, signal, control, and power applications
• CSA.C22.2 No. 182.3	Special use attachment, plugs, receptacles, and connectors
• EN 60529	Degree of protection provided by enclosures (IP degree)
• EN 60423	Conduits for electrical purposes. Outside diameters of conduits for electrical installations and thread for conduits and fittings

Directives and Declarations

LVD Directive

Directive 2006/95/EC of the European Parliament and of the council of 12 December 2006 on the harmonization of the laws of Members States relating to electrical equipment designed for use within certain voltage limits.

RoHS Directive

Directive 2011/65/EU and amendment (EU) 2015/863 restricts the use of the following ten substances:

Lead (Pb)

Mercury (Hg)

Cadmium (Cd)

Hexavalent chromium (Cr6+)

Polybrominated biphenyls (PBB)

Polybrominated diphenyl ether (PBDE)

Bis(2-ethylhexyl) phthalate (DEHP)

Butyl benzyl phthalate (BBP)

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EEC and 2000/21/EC.

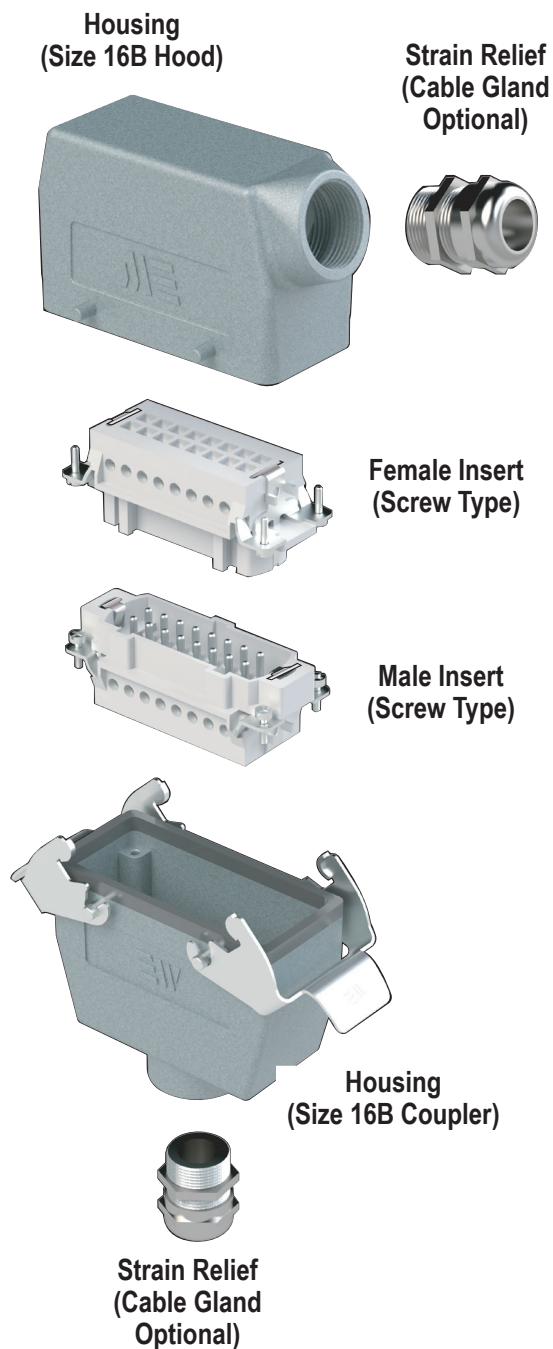


WARNING - ACCORDING TO EN 61984, CONNECTORS SHOULD NOT BE COUPLED AND DECOUPLED UNDER ELECTRICAL LOAD.

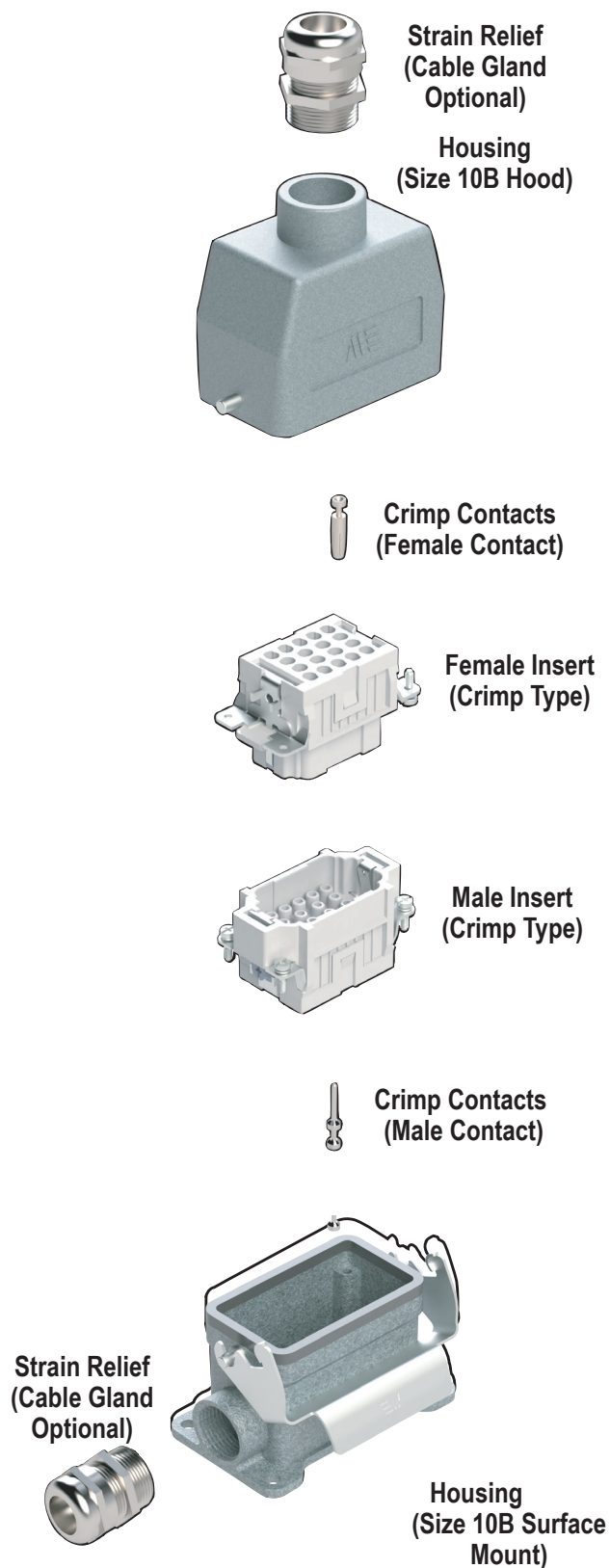


Multi-Wire Connectors

Screw Terminal Basic Assembly



Crimp Contact Basic Assembly





Multi-Wire Connectors Specifications

Technical Characteristics									
Connector Size			3A			10A		16A	
Inserts	Number of Poles		2+PE	3+PE	4+ PE	10+PE	15+PE	16+PE	25+PE
	UL/CSA Rated Voltage*		600 VAC/VDC						
	Maximum Rated Current		10 amp			16 amp	10 amp	16 amp	10 amp
	EN 61984 (2001-11) Pollution Degree 3	Rated Voltage AC/DC	250 / 400V			250V			
		Impulse Withstand Voltage	4kV						
	Continuous Current Carrying Capacity		Refer to Electrical Engineering section charts						
	Insulation Resistance		≥ 10 ¹⁰ Ω						
	Material		Polycarbonate						
	Temperature Range		-40 to 125°C [-40 to 257°F]						
	Flammability		UL 94 V-0						
	Degree Protection	With Housing	IP65						
		Without Housing	IP20						
	Mechanical Working Life		≥ 500 Cycles						
Conductor Termination	Screw Terminals	√	√	√	√	N/A	√	N/A	
	Crimp Contacts	N/A	N/A	N/A	N/A	√	N/A	√	
Contacts	Material		Silver-plated copper alloy						
	Minimum Recommended Load (voltage & current)		5V / 5mA AC/DC						
	Contact Resistance		≤ 1mΩ			≤ 1mΩ	≤ 3mΩ	≤ 1mΩ	≤ 3mΩ
	Screw Terminal Wire Size	mm ²	1.0 - 2.5			1.0 - 2.5	N/A	1.0 - 2.5	N/A
		AWG	18 - 14			18 - 14	N/A	18 - 14	N/A
	Screw Terminal Tightening Test Torque N·m [in·lb]		0.5 [4.4]			0.5 [4.4]	N/A	0.5 [4.4]	N/A
	Screw Terminal Stripping Length (mm)		7		N/A	7	N/A	7	N/A
	Crimp Terminal Wire Size	mm ²	N/A			N/A	0.14 - 2.5	N/A	0.14 - 2.5
		AWG	N/A			N/A	26 - 14	N/A	26 - 14
Crimp Terminal Stripping Length (mm)		N/A			N/A	8	N/A	8	
Thermoplastic Hoods/ Bases/Couplers/Covers	Material		Polycarbonate			N/A			
	Locking Element		PA66						
	Flammability		UL 94 V-0						
	Housings Seal		NBR (Nitrile rubber)						
	Degree of Protection Acc. to EN 60529 (coupled)		IP65						
	Temperature Range		-40 to 125°C [-40 to 257°F]						
	Thread		Metric EN 50262 Pg DIN 40430						
Aluminum Hoods/Bases/ Couplers/Covers	Material		Die cast aluminum alloy						
	Locking Element		Stainless steel			PA66			
	Housings Seal		NBR (Nitrile)						
	Degree of Protection Acc. to EN 60529 (coupled) NEMA 250, UL50, 50E		IP65						
	Temperature Range		-40 to 125°C [-40 to 257°F]						
	Thread		NPT ASME B1.20.1						

* Connectors should not be coupled and decoupled under electrical load.

Multi-Wire Connectors

Specifications

Technical Characteristics													
Connector Size			6B			10B			16B				
Inserts	Number of Poles		6+PE	10+PE	24+PE	10+PE	18+PE	42+PE	6+PE	16+PE	32+PE	40+PE	72+PE
	UL/CSA Rated Voltage*		600 VAC/VDC										
	Maximum Rated Current		16A		10A	16A		10A	35A		16A		10A
	EN 61984 (2001-11) Pollution Degree 3	Rated Voltage AC/DC	500V		250V	500V		250V	400/690V		500V		250V
		Impulse Withstand Voltage	6kV		4kV	6kV		4kV	6kV			4kV	
	Continuous Current Carrying Capacity		Refer to Electrical Engineering section charts										
	Insulation Resistance		≥ 10 ¹⁰ Ω										
	Material		PBT	Polycarbonate		PBT	Polycarbonate		PBT		Polycarbonate		
	Temperature Range		-40 to 125°C [-40 to 257°F]										
	Flammability		UL 94 V-0										
	Degree Protection	With Housing	IP65										
		Without Housing	IP20										
	Mechanical Working Life		500 Cycles										
	Conductor Termination	Screw Terminals	√	N/A	N/A	√	N/A	N/A	√	√	N/A	N/A	N/A
Crimp Contacts		N/A	√	√	N/A	√	√	N/A	N/A	√	√	√	
Contacts	Material		Hard-silver plated (2µm Au) or gold plated copper alloy										
	Minimum Recommended Load (voltage & current)		5V / 5mA AC/DC										
	Contact Resistance		≤ 1mΩ		≤ 3mΩ	≤ 1mΩ		≤ 3mΩ	≤ 1mΩ			≤ 3mΩ	
	Screw Terminal Wire Size	mm ²	1.0 - 2.5	N/A		1.0 - 2.5	N/A		4.0-6.0	1.0-2.5	N/A		
		AWG	18 - 14	N/A		18 - 14	N/A		12 - 10	18 - 14	N/A		
	Screw Terminal Tightening Test Torque N·m [in·lb]		0.5 [4.4]	N/A		0.5 [4.4]	N/A		1.2 [10.6]	0.5 [4.4]	N/A		
	Screw Terminal Stripping Length 9mm)		7	N/A		7	N/A		7	7	N/A		
	Crimp Terminal Wire Size	mm ²	N/A	0.14 - 1.0	0.14 - 2.5	N/A	0.14 - 1.0	0.14 - 2.5	N/A	N/A	0.14 - 1.0	0.14 - 2.5	
		AWG	N/A	26 - 12	26 - 14	N/A	26 - 12	26 - 14	N/A	N/A	26 - 12	26 - 14	
Crimp Terminal Stripping Length (mm)		N/A	7.5	8	N/A	7.5	8	N/A	N/A	7.5	8		
Aluminum Hoods/Bases/ Couplers/Covers	Material		Die cast aluminum alloy										
	Locking Element		Carbon steel										
	Housings Seal		NBR (Nitrile)										
	Degree of Protection Acc. to EN 60529		IP65										
	Temperature Range		-40 to 125°C [-40 to 257°F]										
	Thread		NPT ASME B1.20.1										

* Connectors should not be coupled and decoupled under electrical load.

Multi-Wire Connectors

Specifications

Technical Characteristics							
Connector Size			24B				
Inserts	Number of Poles		4+8+PE	24+PE	46+PE	64+PE	108+PE
	UL/CSA Rated Voltage*		600 VAC/VDC				
	Maximum Rated Current		Power: 80A / Signal: 16A	16A		10A	
	EN 61984 (2001-11) Pollution Degree 3	Rated Voltage AC/DC	690V / 400V	500V	250V		
		Impulse Withstand Voltage	8kV / 6kV	6kV		4kV	
	Continuous Current Carrying Capacity		Refer to Electrical Engineering section charts				
	Insulation Resistance		≥ 10 ¹⁰ Ω				
	Material		PBT		Polycarbonate		
	Temperature Range		-40 to 125°C [-40 to 257°F]				
	Flammability		UL 94 V-0				
	Degree Protection	With Housing	IP65				
		Without Housing	IP20				
	Mechanical Working Life		500 Cycles				
Conductor Termination	Screw Terminals	√	√	N/A	N/A	N/A	
	Crimp Contacts	N/A	N/A	√	√	√	
Contacts	Material		Hard-silver plated copper alloy				
	Minimum Recommended Load (voltage & current)		5V / 5mA AC/DC				
	Contact Resistance		Signal ≤ 1mΩ Power ≤0.3mΩ	≤ 1mΩ	≤ 1mΩ	≤ 3mΩ	≤ 3mΩ
	Screw Terminal Wire Size	mm ²	Signal 1.0 - 2.5 Power 1.5 - 16	1.0 - 2.5	N/A	N/A	N/A
		AWG	Signal 18 - 14 Power 16 -6	18 - 14	N/A	N/A	N/A
	Screw Terminal Tightening Test Torque N·m [in·lb]		Signal: 1.0-2.5 mm ² [18-14 AWG] 0.5 [4.4] Power: 1.5 mm ² [16 AWG] 1.2 [10.6] 2.5 mm ² [14 AWG] 2 [17.7] 4-16 mm ² [12-6 AWG] 3 [26.6]	0.5 [4.4]	N/A	N/A	N/A
	Screw Terminal Stripping Length (mm)		Signal 7.5 Power 14	7	N/A	N/A	N/A
	Crimp Terminal Wire Size	mm ²	N/A	N/A	0.14 - 1.0	0.14-2.5	0.14 - 2.5
		AWG	N/A	N/A	26 - 12	26 - 14	26 - 14
	Crimp Terminal Stripping Length (mm)		N/A	N/A	7.5	8	8
Aluminum Hoods/ Bases/Couplers/ Covers	Material		Die cast aluminum alloy				
	Locking Element		Carbon steel				
	Housings Seal		NBR (Nitrile)				
	Degree of Protection Acc. to EN 60529 (coupled) NEMA 250, UL50, 50E		IP65				
	Temperature Range		-40 to 125°C [-40 to 257°F]				
	Thread		NPT ASME B1.20.1				

* Connectors should not be coupled and decoupled under electrical load.

Multi-Wire Connectors

Size 3A

**29007****29006****29009****29008****29011****29010**

3A Inserts				
Insert Type	No. of Poles	2 +PE	3 +PE	4 +PE
	Rated Voltage AC/DC	600 VAC/VDC	600 VAC/VDC	600 VAC/VDC
	Max. Rated Current	10 amp	10 amp	10 amp
	Termination Type	Screw Terminals	Screw Terminals	Screw Terminals
Male	Part Number	<u>29007</u>	<u>29009</u>	<u>29011</u>
	Price	\$-6hi6:	\$-6hi8::	\$-6hi0:
	Drawing Link	PDF	PDF	PDF
	Weight g [oz]	11.79 [0.42]	13.61 [0.48]	14.06 [0.50]
Female	Part Number	<u>29006</u>	<u>29008</u>	<u>29010</u>
	Price	\$-6hi5:	\$-6hi7:	\$-6hi9:
	Drawing Link	PDF	PDF	PDF
	Weight g [oz]	12.70 [0.45]	12.93 [0.46]	14.97 [0.53]

**290173105****290153105S****29013S****29014S**

3A Heavy-Duty Die Cast Aluminum Hoods and Housings						
Housing Component	Threaded Opening	Part Number	Price	Works With	Weight g [oz]	Drawing Link
Hood (for male inserts), Top Entry, (2-Peg)	(1) 3/8 NPT threaded hole	<u>290173105</u>	\$-6hjc:	METE size 3A single lever connector housings with female inserts	27.67 [0.98]	PDF
Coupler (for female inserts), Top Entry, (Single Lever)	(1) 3/8 NPT threaded hole	<u>290153105S</u>	\$-6hj_:	METE size 3A 2-peg connector housings with male inserts	36.29 [1.28]	PDF
Bulkhead Base (for female inserts), (Single Lever)	N/A	<u>29013S</u>	\$;-6hj]:	METE size 3A 2-peg connector housings with male inserts	21.32 [0.75]	PDF
Bulkhead Base (for female inserts), Right-Angle, (Single Lever)	N/A	<u>29014S</u>	\$;-6hjj]:	METE size 3A 2-peg connector housings with male inserts	28.12 [0.99]	PDF

Multi-Wire Connectors

Size 10A

**29421****29420****294213015****294203015**

10A Inserts			
Insert Type	No. of Poles	10+PE	15+PE
	Rated Voltage AC/DC	600 VAC/VDC	600 VAC/VDC
	Max. Rated Current	16 amp	10 amp
	Termination Type	Screw Terminals	Crimp Contacts
Male	Part Number	29421	294213015
	Price	\$--6hij:	\$-6hj3:
	Drawing Link	PDF	PDF
	Crimp Contact Size*	N/A	10 Amp METE 14104xxx series
	Weight g [oz]	48.54 [1.71]	27.67 [0.98]
Female	Part Number	29420	294203015
	Price	\$--6hii:	\$-6hj2:
	Drawing Link	PDF	PDF
	Crimp Contact Size*	N/A	10 Amp METE 14103xxx series
	Weight g [oz]	52.16 [1.84]	30.84 [1.09]

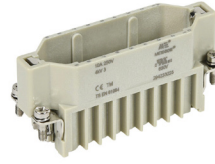
* Crimp Contacts must be purchased separately. The XXX represents wire AWG. See Accessories section for complete part numbers.

**2935423005****2935323005****2935223005****293502**

10A Aluminum Hoods and Housings						
Housing Component	Threaded Opening	Part Number	Price	Works With	Weight g [oz]	Drawing Link
Hood, Top Entry, (2-Peg)	(1) 1/2 NPT threaded hole	2935423005	\$-6hju:	METE size 10A single lever connector housings	90.72 [3.20]	PDF
Hood, Side Entry, (2-Peg)	(1) 1/2 NPT threaded hole	2935323005	\$-6hju:	METE size 10A single lever connector housings	90.72 [3.20]	PDF
Surface Mount, Side Entry, (Single Lever)	(1) 1/2 NPT threaded hole	2935223005	\$;-6hjt:	METE size 10A 2-peg connector housings	113.85 [4.02]	PDF
Bulkhead Base, (Single Lever)	N/A	293502	\$-6hja:	METE size 10A 2-peg connector housings	55.79 [1.97]	PDF

Multi-Wire Connectors

Size 16A

**29423****29422****294233025****294223025**

16A Inserts				
Insert Type	No. of Poles	16+PE	25+PE	
	Rated Voltage AC/DC	600 VAC/VDC	600 VAC/VDC	
	Max. Rated Current	16 amp	10 amp	
	Termination Type	Screw Terminal	Crimp Contacts	
Male	Part Number	29423	294233025	
	Price	\$--6hil:	\$-6hj9:	
	Drawing Link	PDF	PDF	
	Crimp Contact Size*	N/A	10 Amp METE 14104xxx series	
	Weight g [oz]	64.64 [2.28]	32.89 [1.16]	
Female	Part Number	29422	294223025	
	Price	\$-6hik:	\$-6hj4:	
	Drawing Link	PDF	PDF	
	Crimp Contact Size*	N/A	10 Amp METE 14103xxx series	
	Weight g [oz]	72.44 [2.56]	38.10 [1.34]	

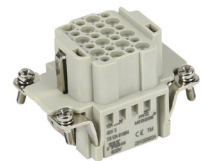
* Crimp contacts must be purchased separately. The XXX represents wire AWG. See Accessories section for complete part numbers.

**2936323005****2936423005****2936223005****293602**

16A Aluminum Hoods and Housings						
Housing Component	Threaded Opening	Part Number	Price	Works With	Weight g [oz]	Drawing Link
Hood, Side Entry, (2-Peg)	(1) 1/2 NPT threaded hole	2936323005	\$-6hjj:	METE size 16A single lever connector housings	113.85 [4.02]	PDF
Hood, Top Entry, (2-Peg)	(1) 1/2 NPT threaded hole	2936423005	\$-6hjj:	METE size 16A single lever connector housings	114.76 [4.05]	PDF
Surface Mount, Side Entry, (Single Lever)	(1) 1/2 NPT threaded hole	2936223005	\$-6hjj:	METE size 16A 2-peg connector housings	137.44 [4.85]	PDF
Bulkhead Base, (Single Lever)	N/A	293602	\$-6hjb:	METE size 16A 2-peg connector housings	63.50 [2.24]	PDF

Multi-Wire Connectors

Size 6B

**29121****29120****291213010****291203010****291213024****291203024**

6B Inserts

Insert Type	No. of Poles	6+PE	10+PE	24+PE
	Rated Voltage AC/DC	600 VAC/VDC	600 VAC/VDC	600 VAC/VDC
	Max. Rated Current	16 amp	16 amp	10 amp
	Termination Type	Screw Terminals	Crimp Contacts	Crimp Contacts
Male	Part Number	<u>29121</u>	<u>291213010</u>	<u>291213024</u>
	Price	\$;-6hif:	\$;-6hj0:	\$;-6hj1:
	Drawing Link	PDF	PDF	PDF
	Crimp Contact Size*	N/A	16 Amp METE 14106xxx series	10 Amp METE 14104xxx series
	Weight g [oz]	53.52 [1.89]	35.79 [1.26]	38.56 [1.36]
Female	Part Number	<u>29120</u>	<u>291203010</u>	<u>291203024</u>
	Price	\$;-6hie:	\$;-6hi?:	\$;-6hi,:
	Drawing Link	PDF	PDF	PDF
	Crimp Contact Size*	N/A	16 Amp METE 14105xxx series	10 Amp METE 14103xxx series
	Weight g [oz]	53.52 [1.89]	37.20 [1.31]	41.46 [1.46]

*Crimp contacts must be purchased separately. The XXX represents wire AWG. See Accessories section for complete part numbers.

**291353005****291313005****291333005S****29130S****291403005S****29644****29646S**

6B Hoods and Housings

Housing Component	Threaded Opening	Part Number	Price	Works With	Weight g [oz]	Drawing Link
Hood, Top Entry, (2-Peg), Aluminum	(1) 1/2 NPT threaded hole	<u>291353005</u>	\$-6hjh:	METE size 6B single lever connector housings	104.78 [3.70]	PDF
Hood Housing, Side Entry, (2-Peg), Aluminum	(1) 1/2 NPT threaded hole	<u>291313005</u>	\$-6hjj:	METE size 6B single lever connector housings	107.05 [3.78]	PDF
Surface Mount, Side Entry, (Single Lever), Aluminum	(1) 1/2 NPT threaded hole	<u>291333005S</u>	\$6hk3:	METE size 6B 2-peg connector housings	164.66 [5.81]	PDF
Bulkhead Base, (Single Lever), Aluminum	N/A	<u>29130S</u>	\$6hk2::	METE size 6B 2-peg connector housings	89.59 [3.16]	PDF
Coupler, Top Entry, (Single Lever), Aluminum	(1) 1/2 NPT threaded hole	<u>291403005S</u>	\$6hk4:	METE size 6B 2-peg connector housings	135.85 [4.79]	PDF
Cover, (2-Peg), Plastic	N/A	<u>29644</u>	\$-6hj5:	METE size 6B single lever connector housings	13.52 [0.48]	PDF
Cover, (Single Lever), Plastic	N/A	<u>29646S</u>	\$6hkh:	METE size 6B 2-peg connector housings	46.27 [1.63]	PDF

Multi-Wire Connectors

Size 10B

**29021****29020****290213018****290203018****290213042****290203042**

10B Inserts				
Insert Type	No. of Poles	10+PE	18+PE	42+PE
	Rated Voltage AC/DC	600 VAC/VDC	600 VAC/VDC	600 VAC/VDC
	Max. Rated Current	16 amp	16 amp	10 amp
	Termination Type	Screw Terminals	Crimp Contacts	Crimp Contacts
Male	Part Number	<u>29021</u>	<u>290213018</u>	<u>290213042</u>
	Price	\$-6hi2:	\$-6hip:	\$-6hiq:
	Drawing Link	PDF	PDF	PDF
	Crimp Contact Size*	N/A	16 Amp METE 14106xxx series	10 Amp METE 14103xxx series
	Weight g [oz]	69.40 [2.45]	49.44 [1.74]	44.23 [1.56]
Female	Part Number	<u>29020</u>	<u>290203018</u>	<u>290203042</u>
	Price	\$-6hi1:	\$-6hin:	\$-6hio:
	Drawing Link	PDF	PDF	PDF
	Crimp Contact Size*	N/A	16 Amp METE 14105xxx series	10 Amp METE 14104xxx series
	Weight g [oz]	71.67 [2.53]	53.07 [1.87]	50.35 [1.78]

*Crimp contacts must be purchased separately. The XXX represents wire AWG. See Accessories section for complete part numbers.



Multi-Wire Connectors

Size 10B

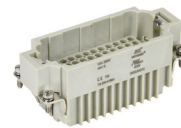
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10B Hoods and Housings

Housing Component		Threaded Opening	Part Number	Price	Works With	Weight g [oz]	Drawing Link
Single Lever / 2 Pegs	Hood, Top Entry, (2-Peg), Aluminum	(1) 1/2 NPT threaded hole	<u>293543005</u>	\$-6hjn:	METE size 10B single lever connector housings	134.72 [4.75]	<u>PDF</u>
	Hood, Side Entry, (2-Peg) Aluminum	(1) 1/2 NPT threaded hole	<u>293533005</u>	\$-6hjl:	METE size 10B single lever connector housings	146.51 [5.17]	<u>PDF</u>
	Surface Mount, Side Entry, (Single Lever), Aluminum	(1) 1/2 NPT threaded hole	<u>293513005S</u>	\$6hk9:	METE size 10B 2-peg connector housings	190.97 [6.74]	<u>PDF</u>
	Bulkhead Base, (Single Lever), Aluminum	N/A	<u>29350S</u>	\$6hk8:	METE size 10B 2-peg connector housings	106.60 [3.76]	<u>PDF</u>
	Coupler, Top Entry, (Single Lever), Aluminum	(1) 1/2 NPT threaded hole	<u>293563005S</u>	\$6hka:	METE size 10B 2-peg connector housings	172.37 [6.08]	<u>PDF</u>
Double Lever / 4 Pegs	Hood, Top Entry, (4-Peg), Aluminum	(1) 1/2 NPT threaded hole	<u>291453005</u>	\$-6hji::	METE size 10B double lever connector housings	132.00 [4.66]	<u>PDF</u>
	Hood, Side Entry, (4-Peg), Aluminum	(1) 1/2 NPT threaded hole	<u>290413005</u>	\$-6hjd:	METE size 10B double lever connector housings	145.15 [5.12]	<u>PDF</u>
	Surface Mount, Side Entry, (Double Lever), Aluminum	(1) 1/2 NPT threaded hole	<u>290543005S</u>	\$-,6hj,::	METE size 10B 4-peg connector housings	205.48 [7.25]	<u>PDF</u>
	Bulkhead Base, Double Lever, Aluminum	N/A	<u>29040S</u>	\$-6hj#:	METE size 10B 4-peg connector housings	120.20 [4.24]	<u>PDF</u>
	Coupler, Top Entry, (Double Lever), Aluminum	(1) 1/2 NPT threaded hole	<u>291503005S</u>	\$6hk5::	METE size 10B 4-peg connector housings	165.11 [5.82]	<u>PDF</u>
	Cover, (4-Peg), Plastic	N/A	<u>29650</u>	\$-6hj6::	METE size 10B double lever connector housings	15.42 [0.54]	<u>PDF</u>
	Cover, (Double Lever), Plastic	N/A	<u>29653S</u>	\$-6hki:	METE size 10B 4-peg connector housings	69.85 [2.46]	<u>PDF</u>

Multi-Wire Connectors

Size 16B

**29125****29023****290233032****290233040****290233072****29124****29022****290223032****290223040****290223072**

16B Inserts						
Insert Type	No. of Poles	6+PE	16+PE	32+PE	40+PE	72+PE
	Rated Voltage	600 VAC/VDC	600 VAC/VDC	600 VAC/VDC	600 VAC/VDC	600 VAC/VDC
	Max. Rated Current	35 amp	16 amp	16 amp	10 amp	10 amp
	Termination Type	Screw Terminals	Screw Terminals	Crimp Contacts	Crimp Contacts	Crimp Contacts
Male	Part Number	<u>29125</u>	<u>29023</u>	<u>290233032</u>	<u>290233040</u>	<u>290233072</u>
	Price	\$-6hih:	\$-6hi4:	\$-6hiv:	\$-6hix::	\$-6hiy::
	Drawing Link	PDF	PDF	PDF	PDF	PDF
	Crimp Contact Size*	N/A	N/A	16 Amp METE 14106xxx series	10 Amp METE 14104xxx series	
	Weight g [oz]	80.74 [2.85]	92.99 [3.28]	58.51 [2.06]	50.35 [1.78]	56.88 [2.01]
Female	Part Number	<u>29124</u>	<u>29022</u>	<u>290223032</u>	<u>290223040</u>	<u>290223072</u>
	Price	\$-6hig:	\$-6hi3:	\$-6his:	\$-6hit:	\$-6hiu:
	Drawing Link	PDF	PDF	PDF	PDF	PDF
	Crimp Contact Size*	N/A	N/A	16 Amp METE 14105xxx series	10 Amp METE 14103xxx series	
	Weight g [oz]	86.68 [3.06]	99.88 [3.52]	68.63 [2.42]	60.33 [2.13]	61.10 [2.16]

*Crimp contacts must be purchased separately. The XXX represents wire AWG. See Accessories section for complete part numbers.

Multi-Wire Connectors

Size 16B

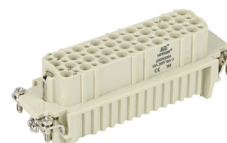
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16B Hoods and Housings

Housing Component		Threaded Opening	Part Number	Price	Works With	Weight g [oz]	Drawing Link
Single Lever / 2 Pegs	Hood, Top Entry, (2-Peg), Aluminum	(1) 3/4 NPT threaded hole	<u>293642905</u>	\$-6hjp:	METE size 16B single lever connector housings	167.83 [5.92]	<u>PDF</u>
	Hood, Side Entry, (2-Peg), Aluminum	(1) 3/4 NPT threaded hole	<u>293632905</u>	\$-6hjo:	METE size 16B single lever connector housings	185.93 [6.56]	<u>PDF</u>
	Surface Mount, Side Entry, (Single Lever), Aluminum	(1) 3/4 NPT threaded hole	<u>293612905S</u>	\$6hkc:	METE size 16B 2-peg connector housings	240.41 [8.48]	<u>PDF</u>
	Bulkhead Base, (Single Lever), Aluminum	N/A	<u>29360S</u>	\$6hkb:	METE size 16B 2-peg connector housings	124.29 [4.38]	<u>PDF</u>
	Coupler, Top Entry, (Single Lever), Aluminum	(1) 3/4 NPT threaded hole	<u>293662905S</u>	\$6hkd:	METE size 16B 2-peg connector housings	209.56 [7.39]	<u>PDF</u>
Double Level / 4 Pegs	Hood, 4-Peg, Top Entry, Aluminum	(1) 3/4 NPT threaded hole	<u>291552905</u>	\$--6hjj:	METE size 16B double lever connector housings	164.66 [5.81]	<u>PDF</u>
	Hood, 4-Peg, Side Entry, Aluminum	(1) 3/4 NPT threaded hole	<u>290432905</u>	\$-6hje::	METE size 16B double lever connector housings	185.98 [6.56]	<u>PDF</u>
	Surface Mount, Double Lever, Side Entry, Aluminum	(1) 3/4 NPT threaded hole	<u>290562905S</u>	\$6hk0::	METE size 16B 4-peg connector housings	249.48 [8.80]	<u>PDF</u>
	Bulkhead Housing, Double Lever, Aluminum	N/A	<u>29042S</u>	\$;-6hjl:	METE size 16B 4-peg connector housings	130.64 [4.61]	<u>PDF</u>
	Coupler Housing, Double Lever, Top Entry, Aluminum	(1) 3/4 NPT threaded hole	<u>291602905S</u>	\$6hk6:	METE size 16B 4-peg connector housings	217.73 [7.68]	<u>PDF</u>
	Cover Housing, 4-Peg, Plastic	N/A	<u>29651</u>	\$-6hj7:	METE size 16B double lever connector housings	18.14 [0.64]	<u>PDF</u>
	Cover Housing, Double Lever, Plastic	N/A	<u>29654S</u>	\$-6hkj::	METE size 16B 4-peg connector housings	73.94 [2.61]	<u>PDF</u>

Multi-Wire Connectors

Size 24B

**29113****29025****290253046****290253064****290253108****29112****29024****290243046****290243064****290243108**

24B Inserts						
Insert Type	No. of Poles	8+4+PE	24+PE	46+PE	64+PE	108+PE
	Rated Voltage	600 VAC/VDC	600 VAC/VDC	600 VAC/VDC	600 VAC/VDC	600 VAC/VDC
	Max. Rated Current	80 amp (4-pole), 16 amp (8-pole)	16 amp	16 amp	10 amp	10 amp
	Termination Type	Screw Terminals	Screw Terminals	Crimp Contacts	Crimp Contacts	Crimp Contacts
Male	Part Number	<u>29113</u>	<u>29025</u>	<u>290253046</u>	<u>290253064</u>	<u>290253108</u>
	Price	\$-6hid:	\$-6hib:	\$-6hi_:	\$-6hi#:	\$;-6hi!:
	Drawing Link	PDF	PDF	PDF	PDF	PDF
	Crimp Contact Size*	N/A	N/A	16 Amp METE 14106xxx series	10 Amp METE 14104xx series	10 Amp METE 14104xx series
	Weight g [oz]	141.98 [5.01]	126.55 [4.46]	75.75 [2.67]	62.60 [2.21]	67.86 [2.39]
Female	Part Number	<u>29112</u>	<u>29024</u>	<u>290243046</u>	<u>290243064</u>	<u>290243108</u>
	Price	\$-6hic:	\$-6hia:	\$-6hiz:	\$;-6hi!:	\$;-6hi!:
	Drawing Link	PDF	PDF	PDF	PDF	PDF
	Crimp Contact Size*	N/A	N/A	16 Amp METE 14105xxx series	10 Amp METE 14103xx series	10 Amp METE 14103xx series
	Weight g [oz]	136.99 [4.83]	135.63 [4.78]	91.63 [3.23]	76.20 [2.69]	84.37 [2.98]

* Crimp contacts must be purchased separately. The XXX represents wire AWG. See Accessories section for complete part numbers.

Multi-Wire Connectors

Size 24B

**293742905****293732905****293712905S****29370S****293762905S****291652905****290452905****290582905S****29044S****291702905S****29652****29655S**

24B Hoods and Housings

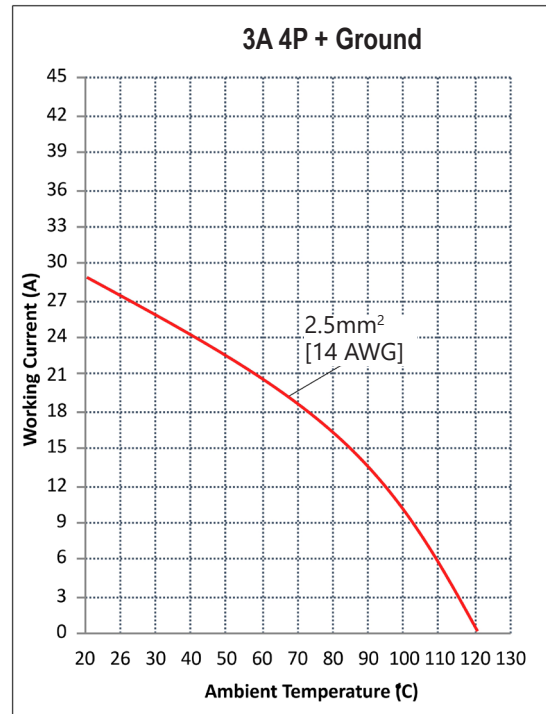
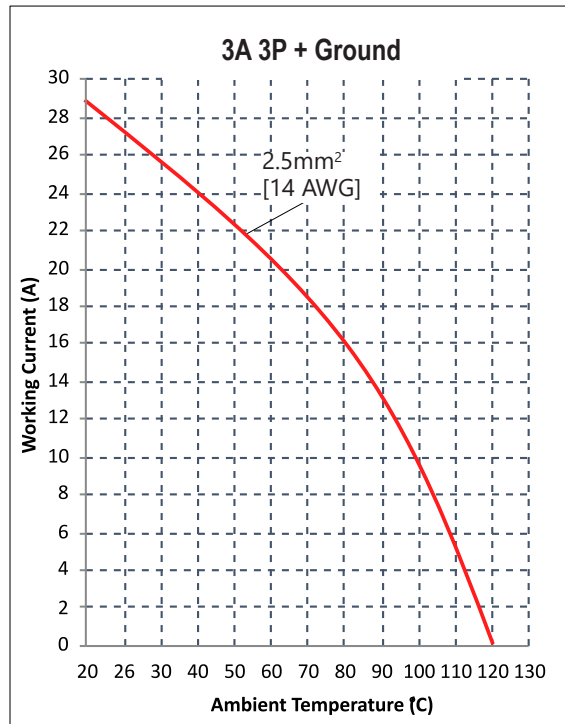
Housing Component		Threaded Opening	Part Number	Price	Works With	Weight g [oz]	Drawing Link
Single Lever / 2 Pegs	Hood, Top Entry, (2-Peg), Aluminum	(1) 3/4 NPT threaded hole	<u>293742905</u>	\$-6hjs:	METE size 24B single lever connector housings	193.69 [6.83]	<u>PDF</u>
	Hood, Side Entry, (2-Peg), Aluminum	(1) 3/4 NPT threaded hole	<u>293732905</u>	\$-6hjq:	METE size 24B single lever connector housings	201.40 [7.10]	<u>PDF</u>
	Surface Mount, Side Entry, (Single Lever), Aluminum	(1) 3/4 NPT threaded hole	<u>293712905S</u>	\$;6hkf:	METE size 24B 2-peg connector housings	283.95 [10.02]	<u>PDF</u>
	Bulkhead Base, (Single Lever), Aluminum	N/A	<u>29370S</u>	\$6hke:	METE size 24B 2-peg connector housings	140.62 [4.96]	<u>PDF</u>
	Coupler, Top Entry, (Single Lever), Aluminum	(1) 3/4 NPT threaded hole	<u>293762905S</u>	\$6hkg:	METE size 24B 2-peg connector housings	243.58 [8.59]	<u>PDF</u>
Double Lever / 4 Pegs	Hood, Top Entry, (4-Peg), Aluminum	(1) 3/4 NPT threaded hole	<u>291652905</u>	\$-6hjk:	METE size 24B double lever connector housings	192.78 [6.80]	<u>PDF</u>
	Hood, Side Entry, (4-Peg), Aluminum	(1) 3/4 NPT threaded hole	<u>290452905</u>	\$;-6hjf:	METE size 24B double lever connector housings	199.13 [7.02]	<u>PDF</u>
	Surface Mount, Side Entry, (Double Lever), Aluminum	(1) 3/4 NPT threaded hole	<u>290582905S</u>	\$6hk1:	METE size 24B 4-peg connector housings	285.77 [10.08]	<u>PDF</u>
	Bulkhead Base, (Double Lever), Aluminum	N/A	<u>29044S</u>	\$-6hj?:	METE size 24B 4-peg connector housings	142.43 [5.02]	<u>PDF</u>
	Coupler, Top Entry, (Double Lever), Aluminum	(1) 3/4 NPT threaded hole	<u>291702905S</u>	\$6hk7:	METE size 24B 4-peg connector housings	248.57 [8.77]	<u>PDF</u>
	Cover, (4-Peg), Plastic	N/A	<u>29652</u>	\$-6hj8:	METE size 24B double lever connector housings	21.77 [0.77]	<u>PDF</u>
	Cover, (Double Level), Plastic	N/A	<u>29655S</u>	\$6hkk:	METE size 24B 4-peg connector housings	78.02 [2.75]	<u>PDF</u>

Electrical Engineering Data - Load Diagrams

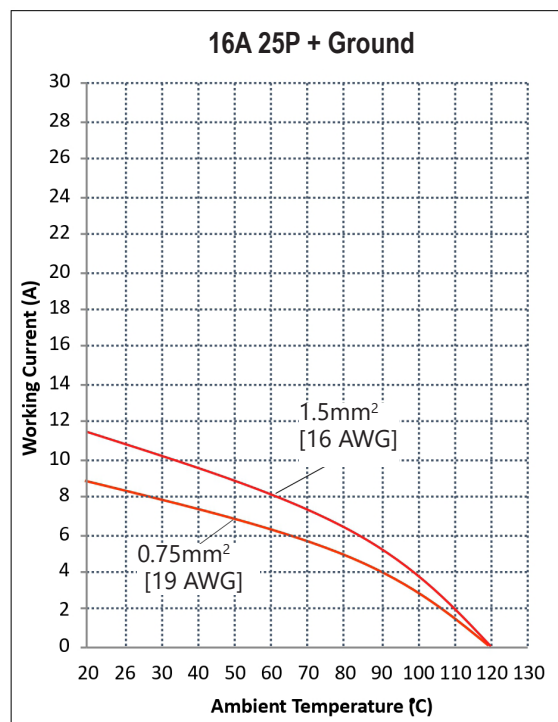
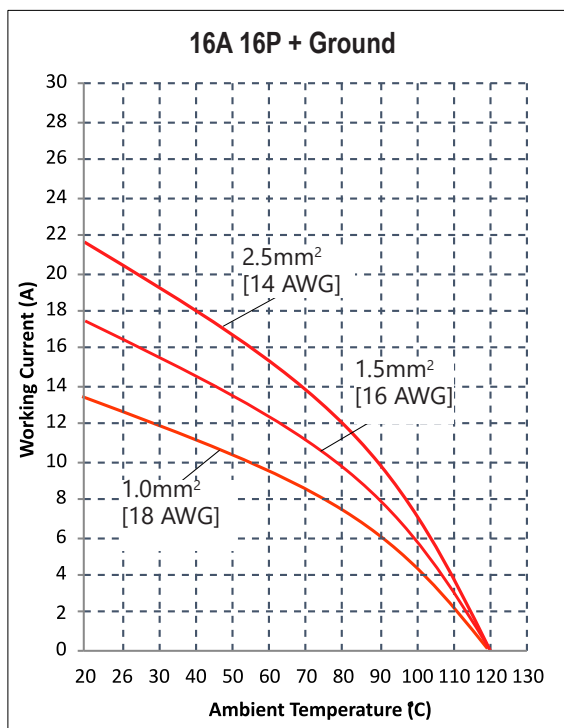
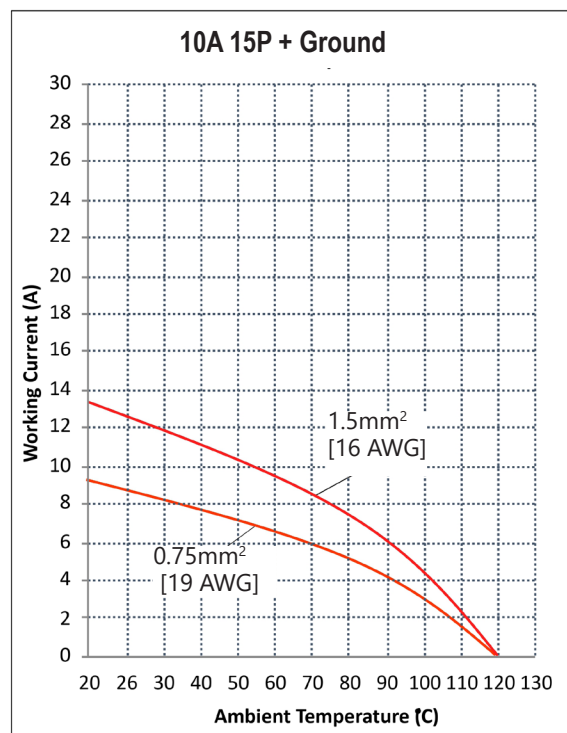
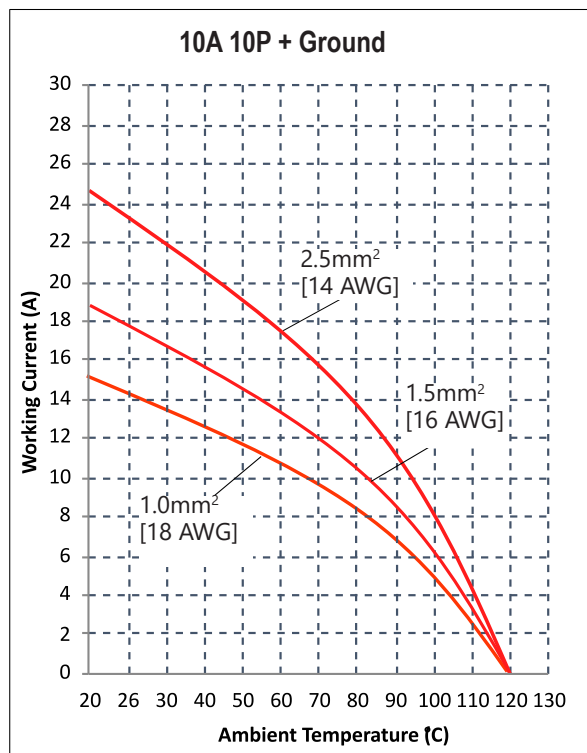
Derating Diagram According to IEC/EN 60512

These diagrams illustrate the maximum current carrying capacity of components. The illustration follows a curve which shows the current in relation to ambient temperature.

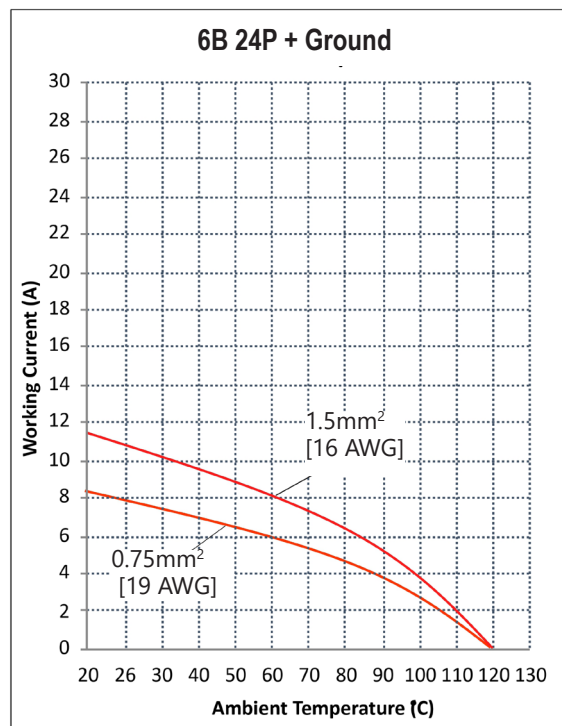
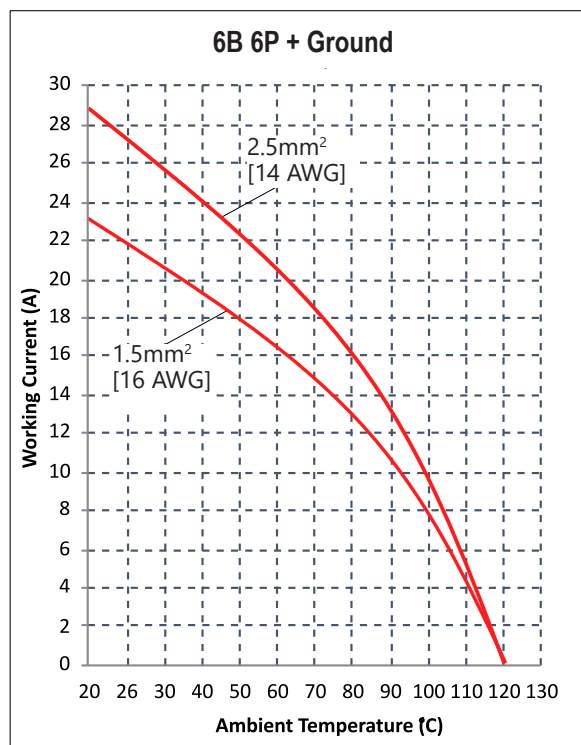
Current carrying capacity is limited by the thermal characteristics of contacts and insulating elements which have an upper temperature limit that should not be exceeded.



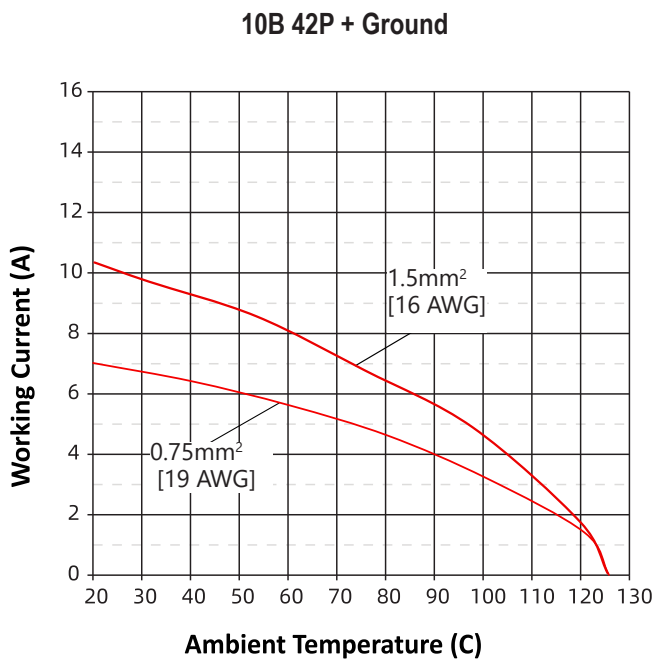
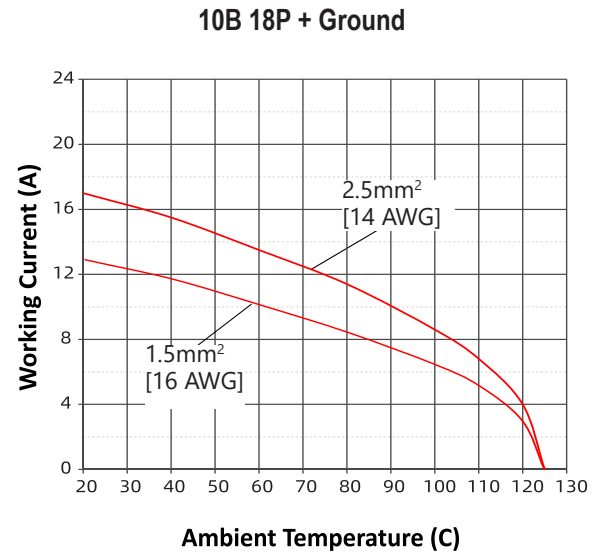
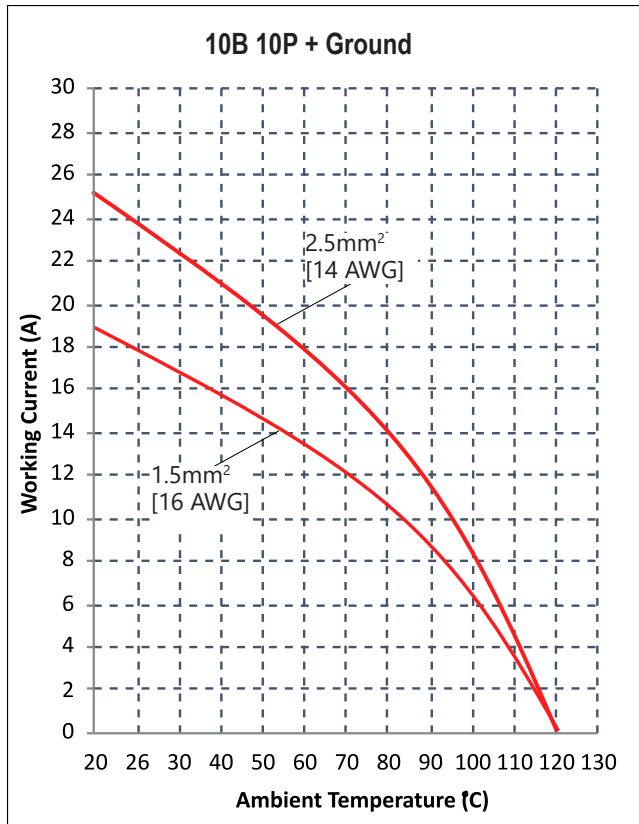
Electrical Engineering Data - Load Diagrams



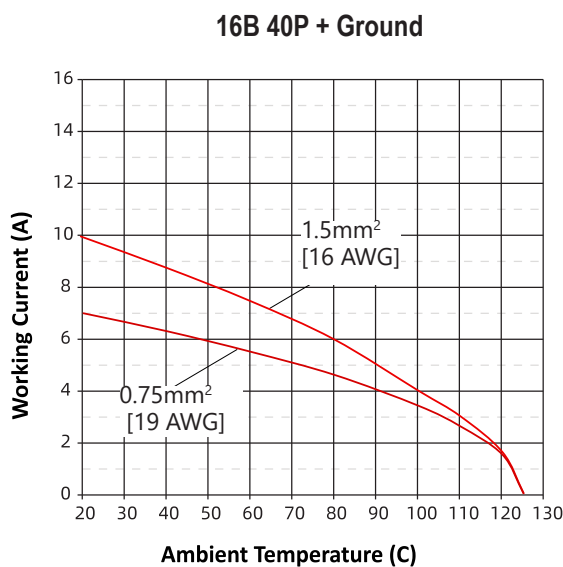
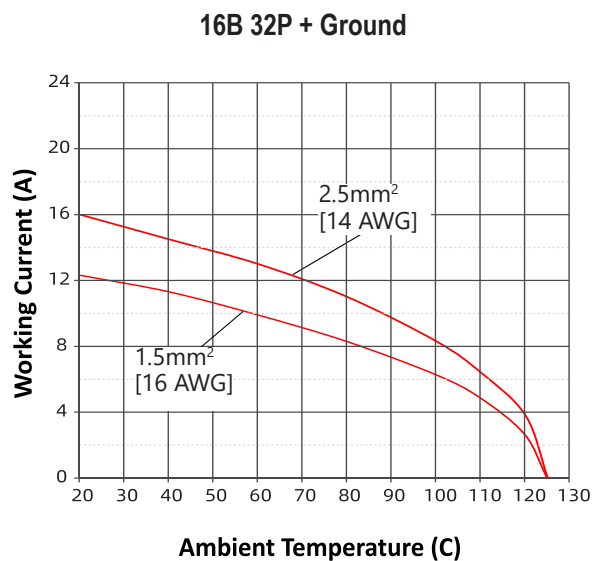
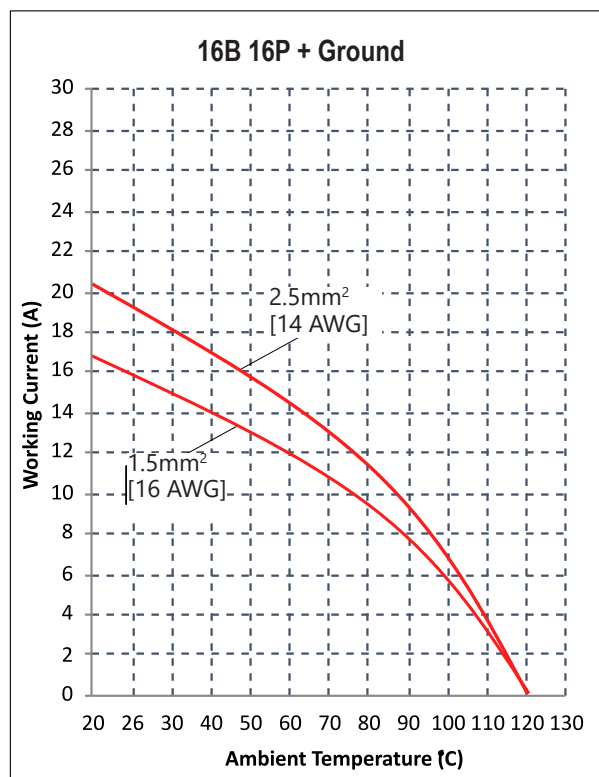
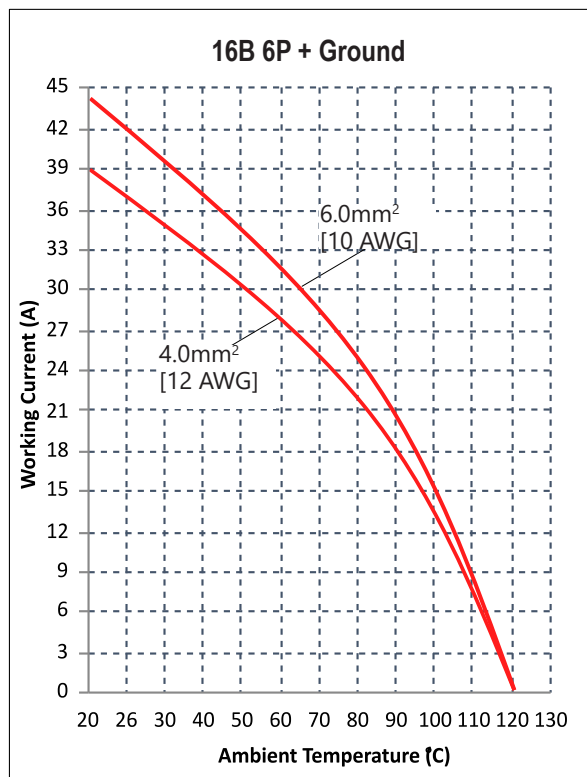
Electrical Engineering Data - Load Diagrams



Electrical Engineering Data - Load Diagrams

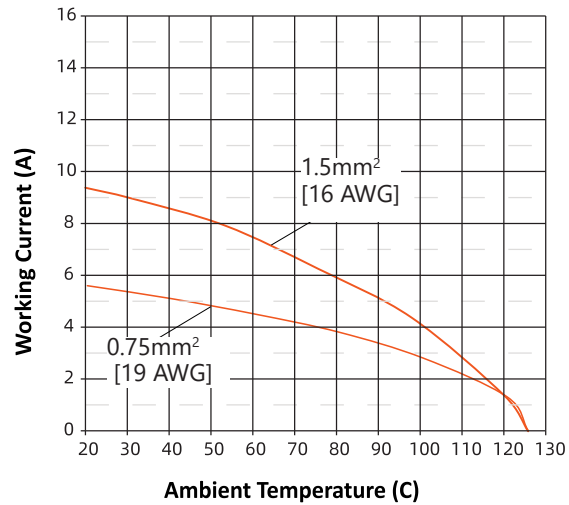


Electrical Engineering Data - Load Diagrams

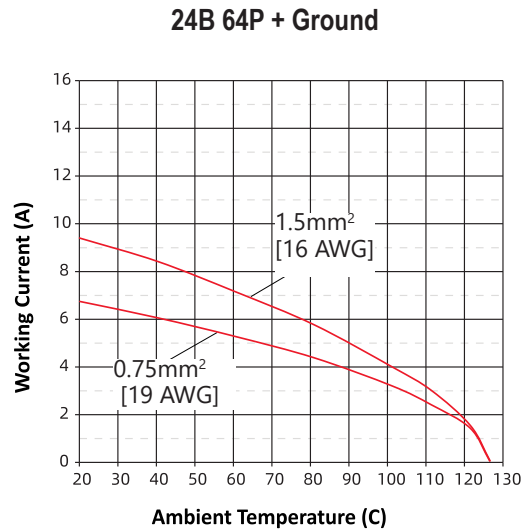
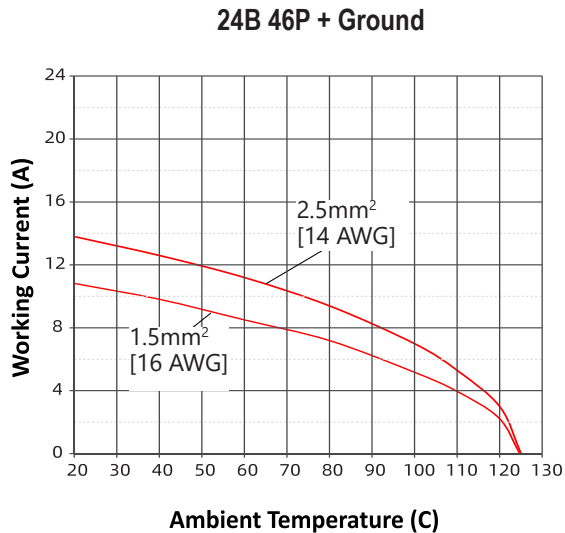
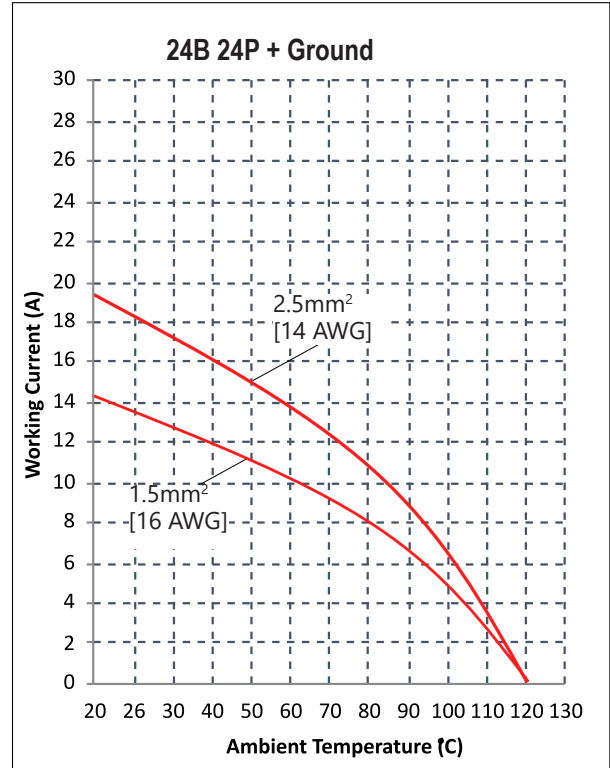
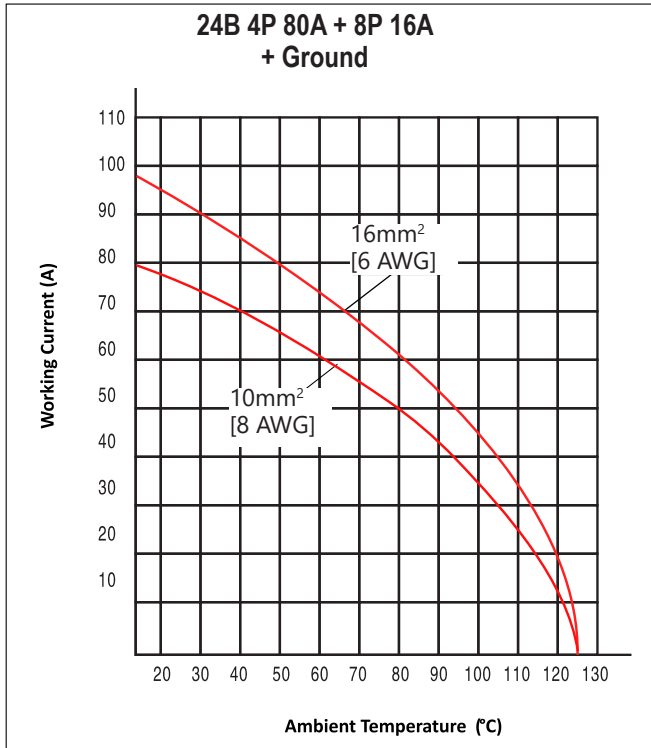


Electrical Engineering Data - Load Diagrams

16B 72P + Ground

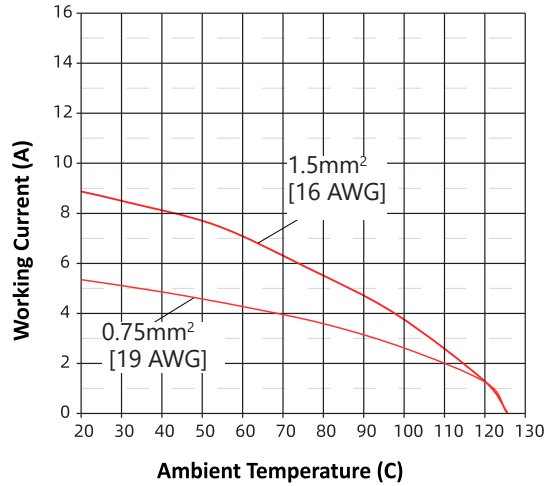


Electrical Engineering Data - Load Diagrams



Electrical Engineering Data - Load Diagrams

24B 108P + Ground



Multi-Wire Connectors Accessories

Crimp Contacts - 10 and 16 Amp

Crimp contacts are made of hard silver-plated 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.

10 Amp Crimp Contacts - 100/Pack

Male	Price	Weight g [oz]	Female	Price	Weight g [oz]	Wire Gauge mm ² [AWG]	Stripping Length
14104164	\$;6hkt:	71.67 [2.53]	14103164	\$-6hkl:	68.95 [2.43]	0.14-0.37 [26-22]	8mm [0.31in]
14104264	\$6hku:	70.31 [2.48]	14103264	\$6hkn:	68.49 [2.42]	0.5 [20]	
14104364	\$6hkv:	67.59 [2.38]	14103364	\$6hko:	67.13 [2.37]	0.75 [18]	
14104564	\$6hky:	66.23 [2.34]	14103564	\$6hkq:	66.68 [2.35]	1.5 [16]	
14104664	\$6hkz:	61.60 [2.17]	14103664	\$6hks:	62.60 [2.21]	2.5 [14]	



Male Crimp Contact



Female Crimp Contact



Male Crimp Contact



Female Crimp Contact

16 Amp Crimp Contacts - 100/Pack

Male	Price	Weight g [oz]	Female	Price	Weight g [oz]	Wire Gauge mm ² [AWG]	Stripping Length
14106164	\$-6hl1:	120.43 [4.25]	14105164	\$;6hk]:	156.95 [5.54]	0.14-0.37 [26-22]	7.5mm [0.29in]
14106264	\$-6hl2:	135.17 [4.77]	14105264	\$;6hk[:	162.84 [5.74]	0.5 [20]	
14106364	\$-6hl3:	131.09 [4.62]	14105364	\$6hk_:	146.51 [5.17]	0.75 [18]	
14106564	\$-6hl5:	131.32 [4.63]	14105564	\$;6hkl:	152.86 [5.39]	1.5 [16]	
14106664	\$-6hl6:	139.71 [4.93]	14105664	\$6hk?:	166.47 [5.87]	2.5 [14]	
14106864	\$-6hl8:	136.53 [4.82]	14105864	\$-6hl0:	154.68 [5.46]	4.0 [12]	

Crimp Contact Tools

Part Number	Price	Qty	Description	Weight [lb]
ZP-MC-CT1	\$007qg:	1	Crimping tool w/die set and locator	1.593
ZP-MC-CT2	\$007qh:		Crimping tool w/die set only, no locator	0.814
ZP-MC-RT1	\$007s3:		Removal tool for 10A contacts	0.081
ZP-MC-RT2	\$007s4:		Removal tool for 16A contacts	0.086



[ZP-MC-CT1](#)



[ZP-MC-CT2](#)



[ZP-MC-RT1](#)



[ZP-MC-RT2](#)



STD Series Multi-Wire Connectors

Features

- Available in 3A, 10A, 16A, 6B, 10B, 16B, 24B, and 32B sizes
- Heavy-duty metal housings in polyester powder coated die-cast aluminum alloy or self-extinguishing thermoplastic housing
- Single locking system (one lever locked on two pegs) or double locking system (two levers locked on four pegs)
- Mechanical duration of 500 cycles
- Operating temperatures from -40 to 125°C [-40 to 257°F]
- IP66 degree of protection with enclosure when coupled
- NEMA/UL Type 1, 4, 4X, 12 protection with enclosure when coupled.
- Conforms with EN61984, VDE 0110, VDE 0627, EN 175301-801, and UL 1977, UL50, UL50E standards
- UL and CE approvals

Housings

Hoods

- Available with top entry and side entry cable passages
- Standard and high-construction profiles
- Threaded cable passages with Pg threads (EN 60423) with optional Pg to NPT adapters
- Stainless steel or thermoplastic locking pegs
- Accessories include cable glands and Pg thread to NPT adapters

Bases, Couplers and Covers

- Surface and bulkhead mounted bases
- Two cable passages on surface mount bases
- Seal gaskets made of anti-aging, oil-resistant and fuel-resistant vinyl nitrile elastomer
- Locking levers made of galvanized steel or self-extinguishing glass-filled thermoplastic; guarantees perfect closing and sealing

Inserts

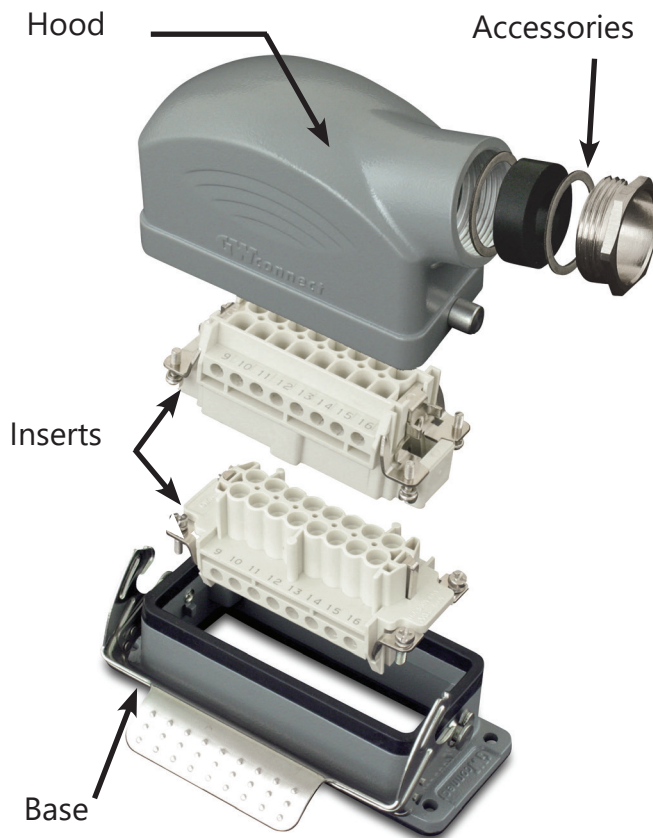
- Self-extinguishing thermoplastic reinforced with glass fibers
- Asymmetric guide rails prevent incorrect coupling
- Captive installation screws allow for easy and secure installation to bases and hoods
- Laser-printed or molded terminal/contact positions on both sides of insert
- Copper alloy contacts with hard silver or gold plating - available with stainless steel captive screw terminal or machined crimp contact
- Wide contact surface for ground terminals
- IP20 without enclosures
- Suitable for stranded and solid conductors

Agency Approvals

- UL Recognized File number E342543
- CE
- RoHS
- NEMA 250



To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.



Accessories

A wide range of accessories including:

- Pg to NPT adapters
- Plugs with gaskets
- Cable glands (IP66 & IP68)
- DIN rail mounting kits
- Crimp tools
- Replacement screws, code pins and gaskets
- Insert plates (with cutouts, reducers, blank)
- Coding pins



STD Series Multi-Wire Connectors

General Characteristics

Application Examples

- Electronic machinery
- Robots
- Control equipment
- Power connections
- Control and signal circuits
- Packaging machinery
- Theatrical applications
- Industrial equipment
- Electrical panels

Inserts

ZIPport multi-wire connectors require one male and one female insert. The inserts are available in multiple pole configurations from 3 poles plus ground up to 144 poles plus ground and with termination sizes ranging from 26 to 12 AWG, 10 to 80 Amps.

ZIPport inserts are made of UL 94 V-0 rated self-extinguishing thermoplastic resin rated at a maximum temperature of 125°C (257°F). The inserts are available in screw terminal and crimp style contact block connections. The contacts are copper alloy with a hard silver or gold plating. The plastic insulators are numbered on both sides by laser printing or molding in accordance with EN 60068-2-70.

- Suitable for use with alternating (AC) or direct current (DC)
- Leading protective ground
- Polarized for correct mating
- Interchangeable for male and female inserts in hoods and bases
- Captive screws
- Can be used with hoods and bases, or with rack and panel applications

Housings

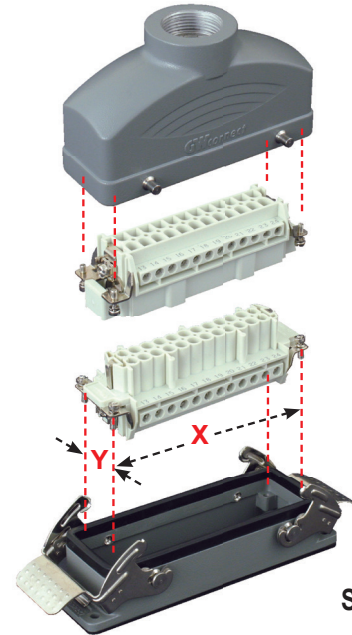
The housings for the ZIPport multi-wire connectors consist of a hood that mates with a base or a coupler.

They are made of die-cast aluminum with a polyester powder finish or from self-extinguishing thermoplastic and are suitable for use in industrial applications.

All housings are available in a standard profile. Several are offered with a high construction (HC) profile that allows more room for wiring the higher density inserts.

A single or double lever locking system assures coupling stability and protection against accidental opening. The locking system is comprised of stainless steel or glass filled thermoplastic levers, with compatible interlocking pegs.

Size and Identification



Size 24B

The size of each type of connector is determined by the distance between the center points of the four installation screws. These four points are common to both the insert and the housing. This is indicated by "X"- "Y" in the illustration above.

The table below lists the size identification and the actual X-Y distance for each type of connector offered.

Size	Distance X-Y
3A	21 x 21 mm* [0.83 x 0.83 in]
10A	49.5 x 16 mm [1.95 x 0.63 in]
16A	66 x 16 mm [2.60 x 0.63 in]
6B	44 x 27 mm [1.73 x 1.06 in]
10B	57 x 27 mm [2.24 x 1.06 in]
16B	77.5 x 27 mm [3.05 x 1.06 in]
24B	104 x 27 mm [4.09 x 1.06 in]
32B	77.5 x 62 mm [3.05 x 2.44 in]
* The center distance cannot be given because the 3A inserts have only one screw: 21 x 21 indicates the size of the sectioned insert.	



STD Series Multi-Wire Connectors

Conductor Termination

Overview

Two types of conductor termination are available for ZIPport inserts:

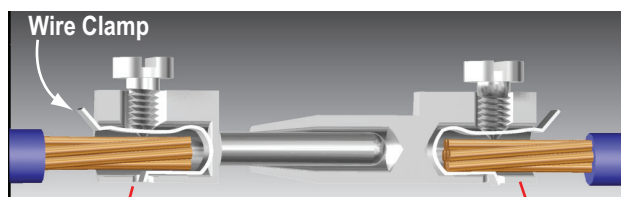
- Screw terminations
- Crimp terminations

Screw Terminations

Screw terminations consist of contacts made of silver-plated copper alloy and are incorporated with a wire clamp (with the exception of the size 3A inserts and size 24B with 80A contacts) for firmly securing the conductors. The screw terminals use stainless steel captive screws and meet VDE 0609 / EN 60999 standards.

Proper conductor installation requires no special preparation when using inserts with the wire clamp terminals (no wire ferrules). The table below lists the current rating, maximum wire gauge and stripping lengths.

Current Rating	Max Wire Gauge		Stripping Length mm (in)
	(mm ²)	AWG	
10A	2.5	14	4.5 (0.18)
16A	2.5	14	7 (0.28)
35A	6.0	10	11.5 (0.45)
16/80A	25/16	14/5	7 (0.28)/14 (0.55)



Wire ferrules not necessary.

Wire ferrules can be used.

Screw Terminals with Clamps

The value of tensile strength of conductors in accordance with the dimensions of the screws and the wires are shown in the following table:

Wire Gauge mm ² (AWG)	1.5 (16)	2.5 (14)	4 (12)	6 (10)	10 (8)	16 (6)
Size of Screw	M3	M3	M3.5	M4	M4	M6
Tensile Strength of Stranded Wire (N)	40	50	60	80	90	100

Increasing the tightening torque does not necessarily improve the contact resistance. The screw torques are selected according to standard EN 60999-1, to provide excellent mechanical, thermal and electrical behavior. The conductor or terminal may be damaged if the recommended values are significantly exceeded.

Insert Screw Specifications

Insert Size	Screw Type	Screw Size	Tightening Torque (Nm)	Tightening Torque (in-lbs)	Recommended Screwdriver Size	Recommended Screwdriver Part
3A	10 Amp Terminal	M3	0.25	2.2	0.4 x 2.5	TW-SD-VSL-2
	Installation	M3.5				
	Ground	M3.5				
10A, 16A	16 Amp Terminal	M3	0.50	4.4	0.5 x 3.0	TW-SD-SL-1
	Installation	M3				
	Ground	M4				
6B, 10B	16 Amp Terminal	M3	0.50	4.4	Ph 0-0.8 x 4	TW-SD-VSL-3
	Installation	M3				
	Ground	M4	1.2	10.6	Ph 2 1.0 x 5.5	TW-SD-VSL-4
16B	35 Amp Terminal	M4	1.2	10.6	Ph 1 - 0.8 x 4	TW-SD-VSL-3
	16 Amp Terminal	M3	0.50	4.4	Ph 0-0.8 x 4	
	Installation	M3				
	Ground	M4	1.2	10.6	Ph 2 1.0 x 5.5	TW-SD-VSL-4
	80 Amp Terminal	M6	2.5	22.1	1.0 x 5.5	TW-SD-VSL-4
24B	16 Amp Terminal	M3	0.50	4.4	Ph 0-0.8 x 4	TW-SD-VSL-3
	Installation	M3				
	Ground	M4	1.2	10.6	Ph 2 1.0 x 5.5	TW-SD-VSL-4
32B*	16 Amp Terminal	M3	0.50	4.4	Ph 0-0.8 x 4	TW-SD-VSL-3
	Installation	M3				
	Ground	M4	1.2	10.6	Ph 2 1.0 x 5.5	

Note: Size 32B requires 2 size 16B insert

Crimp Terminations

Crimp terminations consist of contacts made of silver or gold-plated copper alloy. Crimp terminations are accomplished by applying a crimp contact to the conductor by means of a crimping tool. Crimp contacts are available in several sizes:

10 amp, 26-14 AWG ; 16 amp, 26-12 AWG

A perfect crimp connection is gas-tight, corrosion free and is equal to a cold weld of the parts being connected. Wires to be connected must be carefully matched with the correct wire size of crimp contacts.

The requirements for crimp connectors are depicted in IEC 60352, part 2.

Note: Low currents and voltages:

ZIPport standard contacts (screw and crimp) have a silver plated surface. This metal has excellent conductive properties. During the contacts's lifetime, the silver surface generates a black oxide layer due to its affinity to sulphur (always present in the atmosphere). This layer is conductive smooth and very thin and is partly interrupted when the contacts are mated and non mated, thus guaranteeing very low contact resistances. In the case of very low current or voltage, small changes to the transmitted signal may be encountered.

In applications where voltage and current are lower than 5V and 5mA, and in extremely aggressive environments, ZIPport gold plated contacts are recommended. See ZIPport spare parts and accessories pages.



STD Series Multi-Wire Connectors

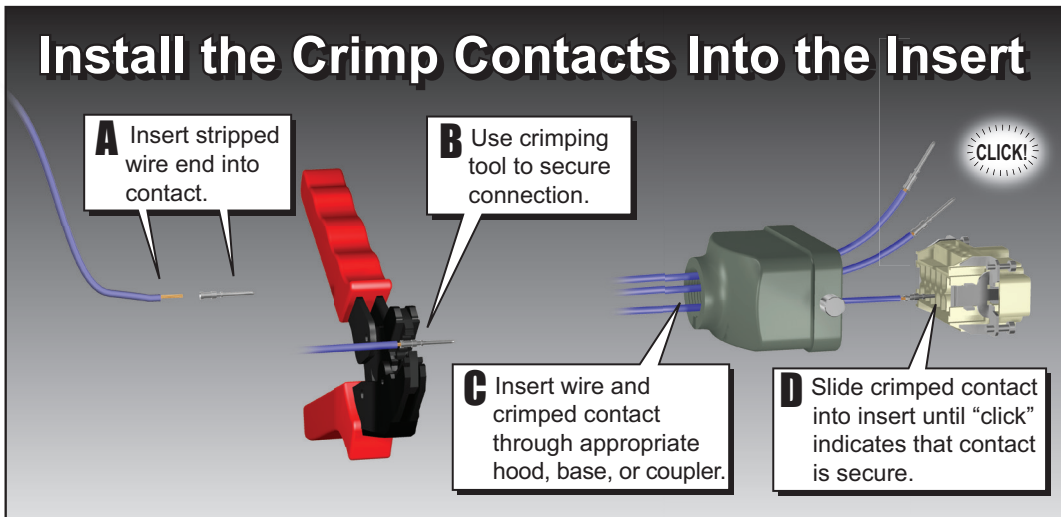
Crimp Contact to Insert Installation

Proper installation of the crimp contacts is important for a good electrical and mechanical connection. The following steps will ensure correct installation.

Step 1: Select the Crimp Contacts

Select a crimp contact based on the rating of the Insert you are using - 10 or 16 amps; the gender - male or female; and gauge of wire being used.

Step 2:

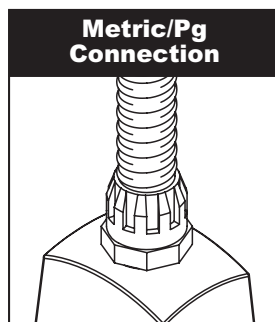


Step 3: Install the Insert into the Housing

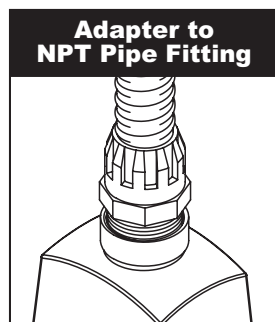
Now that the crimp contacts are installed, the insert can be placed into the housing by aligning the corner installation screws of the insert with the screw holes located in the corners of the housing. Tighten the screws according to the tightening torques listed in the Insert Screw Specifications table in this document.

Wire Entry Connection

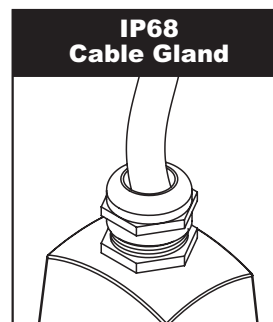
ZIPports offer four types of connection for wire entry into the housings. Two entries accommodate flex conduit and two accept cable.



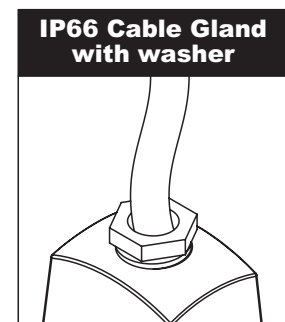
This is standard on all housings that offer a threaded wire entry. Sizes range from Pg 11 to Pg 36. This is for using fittings with a male Pg thread connection.



This adapter converts the Pg thread to an NPT thread. Sizes range from 3/8" to 1-1/4" in relation to the Pg threaded opening in the housing.



For securing a cable to the housing. This is an all inclusive fitting that can be tightened without using separate washers.



For securing a cable to the housing. This gland is available in plastic or metal in relation to housing material. Includes two washers and four gaskets to accommodate a wide range of cable diameters.



STD Series Multi-Wire Connectors

Standards

The inserts are designed and manufactured to conform with EN 61984, (IEC 61984), VDE 0627 and UL 1977/CSA C22.2 182.3 standards. They are certified and labeled with the cULus and CE marks. The connectors are therefore in conformance with both European/International and American systems. This permits them to be used in a wider range of applications worldwide.

- EN 61984 Connectors safety requirements and tests
- VDE 0627 Connectors (DIN VDE 0627)
- EN 60664-1 Insulation coordination for equipment within low-voltage systems
- EN 175 301-801 High density rectangular connectors, round removable crimp contacts
- EN 60947-7-1 part 7-1 Low-voltage switchgear and control gear, Ancillary equipment - Terminal blocks for copper conductors
- VDE 0110 Table 4 concerning clearance and creepage distances
- EN 60512 Connectors for electronic equipment, tests and measurements
- UL 1977 Component connectors for use in data, signal, control and power applications
- CSA.C22.2 No. 182.3 Special use attachment, plugs, receptacles and connectors
- EN 60529 Degree of protection provided by enclosures (IP degree)
- EN 50262 Metric cable glands for electrical installation
- EN 60423 Conduits for electrical purposes. Outside diameters of conduits for electrical installations and thread for conduits and fittings
- ISO 23570-2 Industrial automation system and integration. Distributed installation in industrial applications. Part 2: Hybrid communication bus.
- ISO 23570-3 Industrial automation system and integration. Distributed installation in industrial applications Part 3: Power distribution bus.
- DESINA® specifications Specification to standardize electrical, hydraulic and pneumatic components and their interconnection on a common platform for CNC controlled machine tools and manufacturing lines.

(Distributed and Standardized Installation Technology), Studied by German Manufacturers of Machine Tool Association.

Directives and Declarations

NEMA-250 Declaration of Conformity

Metal and plastic enclosures for Multipole Industrial Connectors (Heavy Duty Connectors). Series STD, STD-HV, HE, HE-HV all sizes. Are designed and manufactured in conformity with NEMA 250-1991 Standard and meet the requirements of NEMA Type 4, 4x and 12.

2006/95/EC: LVD Directive

Directive 2006/95/EC of the European Parliament and of the council of 12 December 2006 on the harmonization of the laws of Members States relating to electrical equipment designed for use within certain voltage limits.

2002/95/EC: RoHS Directive

Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

2008/35/EC: RoHS Directive amendment

Directive 2008/35/EC of the European Parliament and of the Council of 11 March 2008 amending Directive 2002/95/EC of the use of certain hazardous substances in electrical and electronic equipment (RoHS) as regards the implementing powers conferred on the Commission.

2004/108/EC EMC Directive

EMC, Electromagnetic Compatibility Directive.

In accordance with the European Directive that regulates the emission and the immunity of the equipment, for the products designed for EMC industrial applications.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EEC and 2000/21/EC.



WARNING - ACCORDING TO EN 61984, CONNECTORS SHOULD NOT BE COUPLED AND DECOUPLED UNDER ELECTRICAL LOAD.

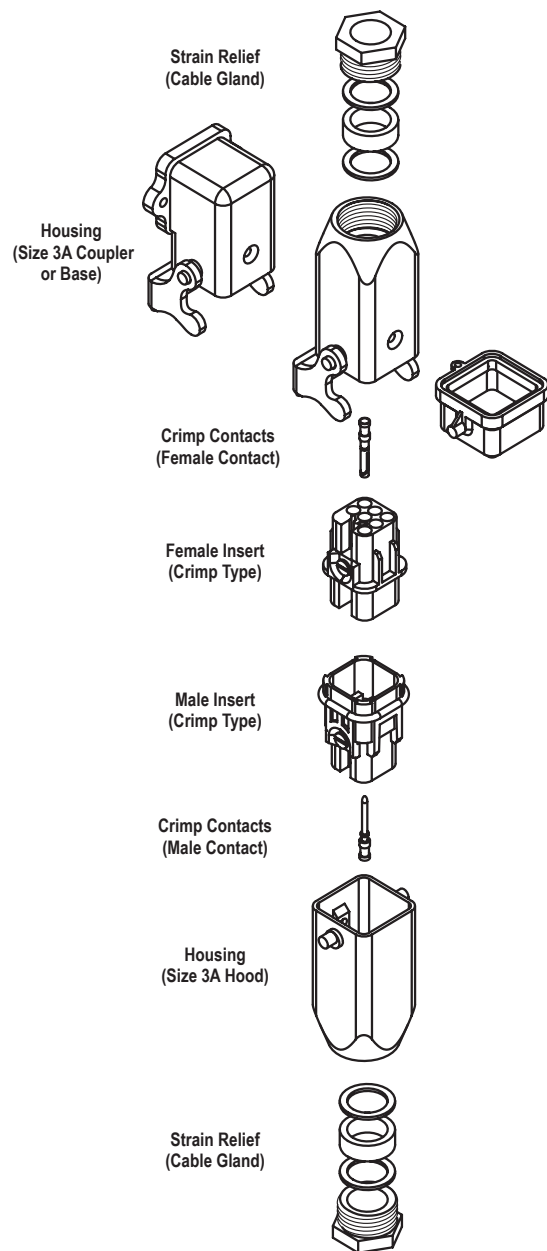


Type 1/4/4x/12

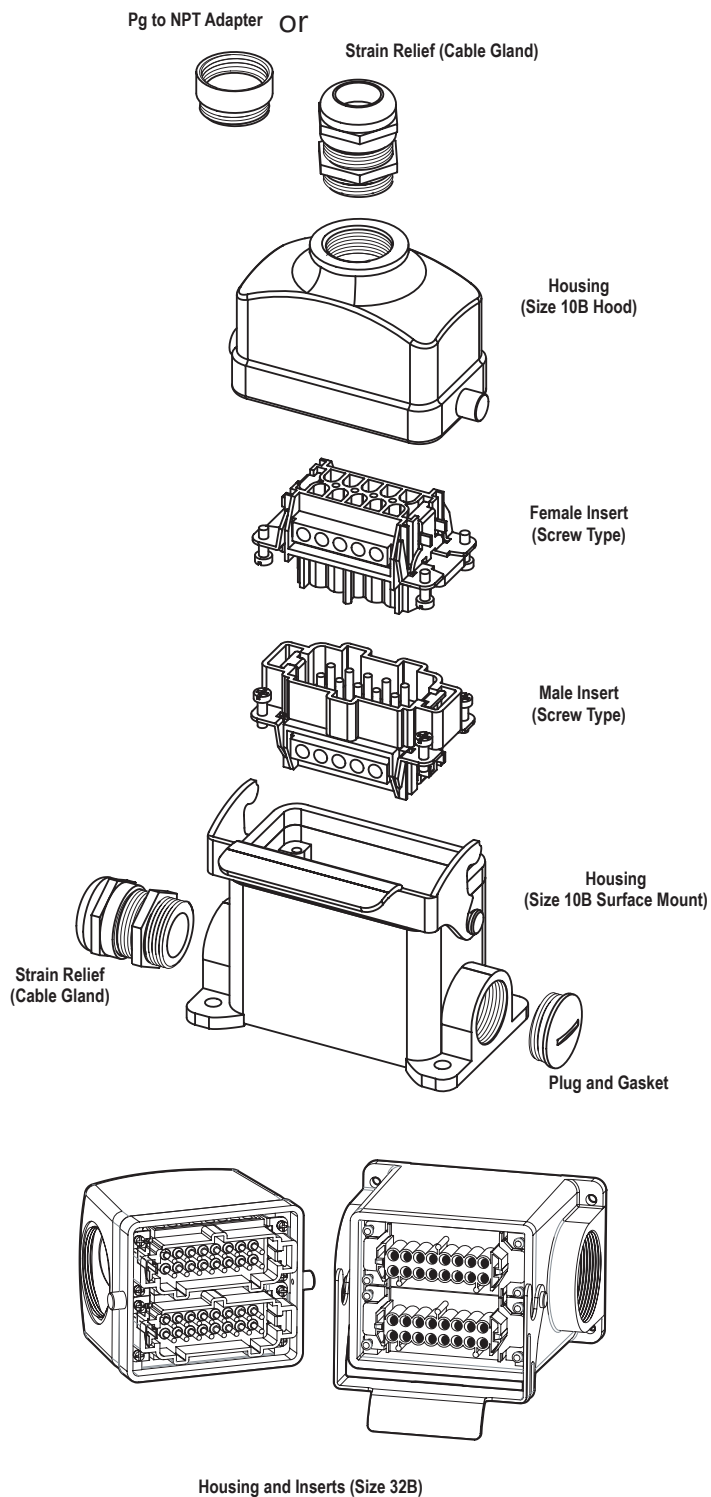


STD Series Multi-Wire Connectors

Crimp Contact Basic Assembly



Screw Terminal Basic Assembly





STD Series Multi-Wire Connectors Specifications

Technical Characteristics												
Connector Size			3A					10A		16A		
Inserts	Number of Poles		3+PE	4+PE	5+PE	7+PE	12+PE	10+PE	15+PE	16+PE	25+PE	
	UL/CSA Rated Voltage*		600V									
	Maximum Rated Current		10A		16A	10A		16A	10A	16A	10A	
	EN 61984 (2001-11) Pollution Degree 3	Rated Voltage AC/DC	230/400V			250V	400V	250V				
		Impulse Withstand Voltage	4kV				6kV	4kV				
	EN 61984 (2001-11) Pollution Degree 2	Rated Voltage	230/400V	320/500V	230/400V	400/690V	230/400V					
		Impulse Withstand Voltage	4kV				6kV	4kV				
	Continuous Current Carrying Capacity		Refer to Electrical Engineering section charts									
	Insulation Resistance		10 ¹⁰ Ω									
	Material		Polycarbonate									
	Temperature Range		-40 to 125°C [-40 to 257°F]									
	Flammability		UL 94 V-0 GWT 960°									
	Degree Protection	With Housing	IP66, NEMA/UL (Type 1, 4, 4x, 12)									
		Without Housing	IP20									
	Mechanical Working Life		500 Cycles									
Conductor Termination	Screw Terminals	√	√	N/A	N/A	N/A	√	N/A	√	N/A		
	Crimp Contacts	N/A	N/A	√	√	√	√	√	√	√		
Contacts	Material		Hard-silver plated (2μm Au) or gold plated copper alloy									
	Minimum Recommended Load (voltage & current)		5V/5mA AC/DC (silver plated)									
	Contact Resistance		≤ 1mΩ			≤ 3mΩ		≤ 1mΩ	≤ 3mΩ	≤ 1mΩ	≤ 3mΩ	
	Screw Terminal Wire Size	mm ²	0.5-2.5		N/A			0.5-2.5	N/A	0.5-2.5	N/A	
		AWG	20-14		N/A			20-14	N/A	20-14	N/A	
	Screw Terminal Tightening Test Torque		0.5 Nm		N/A			0.5 Nm	N/A	0.5 Nm	N/A	
	Screw Terminal Stripping Length		7.0 mm		N/A			7.0 mm	N/A	7.0 mm	N/A	
	Crimp Terminal Wire Size	mm ²	N/A		0.5-2.5		0.14-2.5	0.14-4.0	0.14-2.5	0.14-4.0	0.14-2.5	
		AWG	N/A		26-14			26-12	26-14	26-12	26-14	
	Crimp Terminal Stripping Length		N/A		7.5 mm		N/A	7.5 mm	N/A	7.5 mm	N/A	
Thermoplastic Hoods/ Bases/Couplers/Covers	Material		Glass filled polyamide					N/A				
	Locking Element		Glass filled polyamide lever and peg									
	Flammability		UL 94 V-0 GWT 960°									
	Housings Seal		NBR (Nitrile rubber)									
	Degree of Protection Acc. to EN 60529 (coupled)		IP66									
	Temperature Range		-40 to 125°C [-40 to 257°F]									
	Thread		Metric EN 50262 Pg DIN 40430									
Aluminum Hoods/Bases/ Couplers/Covers	Material		Die cast aluminum alloy, Polyester powder coated									
	Locking Element		Stainless steel lever and peg									
	Housings Seal		NBR (Nitrile)									
	Degree of Protection Acc. to EN 60529 (coupled) NEMA 250, UL50, 50E		IP66, NEMA/UL (Type 1, 4, 4x, 12)									
	Temperature Range		-40 to 125°C [-40 to 257°F]									
	Thread		Metric EN50262 Pg DIN 40430									

* Connectors should not be coupled and decoupled under electrical load.



STD Series Multi-Wire Connectors Specifications

Technical Characteristics										
Connector Size			6B		10B		16B			
Inserts	Number of Poles		6+PE	24+PE	10+PE	42+PE	6+PE	16+PE	40+PE	72+PE
	UL/CSA Rated Voltage*		600V							
	Maximum Rated Current		16A	10A	16A	10A	35A	16A	10A	
	EN 61984 (2001-11) Pollution Degree 3	Rated Voltage AC/DC	500V	250V	500V	250V	830V	500V	250V	
		Impulse Withstand Voltage	6kV	4kV	6kV	4kV	6kV		4kV	
	EN 61984 (2001-11) Pollution Degree 2	Rated Voltage	400/690V	230/400V	400/690V	230/400V	1000V	400/690V	230/400V	
		Impulse Withstand Voltage	6kV	4kV	6kV	4kV	8kV	6kV	4kV	
	Continuous Current Carrying Capacity		Refer to Electrical Engineering section charts							
	Insulation Resistance		10 ¹⁰ Ω							
	Material		Polycarbonate							
	Temperature Range		-40 to 125°C [-40 to 257°F]							
	Flammability		UL 94 V-0 GWT 960°							
	Degree Protection	With Housing	IP66, NEMA/UL (Type 1, 4, 4x, 12)							
		Without Housing	IP20							
	Mechanical Working Life		500 Cycles							
Conductor Termination	Screw Terminals	√	N/A	√	N/A	√	√	N/A	N/A	
	Crimp Contacts	√	√	√	√	N/A	√	√	√	
Contacts	Material		Hard-silver plated (2μm Au) or gold plated copper alloy							
	Minimum Recommended Load (voltage & current)		5V/5mA AC/DC (silver plated)							
	Contact Resistance		≤ 1mΩ	≤ 3mΩ	≤ 1mΩ	≤ 3mΩ	≤ 0.5 mΩ	≤ 1mΩ	≤ 3mΩ	
	Screw Terminal Wire Size	mm ²	0.5-2.5	N/A	0.5-2.	N/A	1.5-6	0.5-2.5	N/A	
		AWG	20-14	N/A	20-14	N/A	16-10	20-14	N/A	
	Screw Terminal Tightening Test Torque		0.5 Nm	N/A	0.5 Nm	N/A	1.2 Nm	0.5 Nm	N/A	
	Screw Terminal Stripping Length		7.0 mm	N/A	7.0 mm	N/A	10.5 mm	7.0 mm	N/A	
	Crimp Terminal Wire Size	mm ²	0.14-4	0.14-2.5	0.14-4	0.14-2.5	N/A	0.14-4	0.14-2.5	
		AWG	26-12	26-14	26-12	26-14	N/A	26-12	26-14	
Crimp Terminal Stripping Length		7.5 mm	8mm	7.5 mm	8mm	N/A	7.5 mm	8mm		
Aluminum Hoods/ Bases/Couplers/ Covers	Material		Die cast aluminum alloy, Polyester powder coated							
	Locking Element		Stainless steel lever and peg							
	Housings Seal		NBR (Nitrile)							
	Degree of Protection Acc. to EN 60529 (coupled) NEMA 250, UL50, 50E		IP66, NEMA/UL (Type 1, 4, 4X, 12)							
	Temperature Range		-40 to 125°C [-40 to 257°F]							
	Thread		Metric EN50262 Pg DIN 40430							

* Connectors should not be coupled and decoupled under electrical load.



STD Series Multi-Wire Connectors Specifications

Technical Characteristics								
Connector Size			24B				32B	
Inserts	Number of Poles		4+8+PE	24+PE	64+PE	108+PE	32+PE	144+PE
	UL/CSA Rated Voltage*		600V					
	Maximum Rated Current		Power: 80A / Signal: 16A	16A	10A		16A	10A
	EN 61984 (2001-11) Pollution Degree 3	Rated Voltage AC/DC	830V / 400V	500V	250V		500V	250V
		Impulse Withstand Voltage	8kV / 6kV	6kV	4kV		6kV	4kV
	EN 61984 (2001-11) Pollution Degree 2	Rated Voltage	1000V/400/690V	400/690V	230/400V		400/690V	230/400V
		Impulse Withstand Voltage	8kV	6kV	4kV		6kV	4kV
	Continuous Current Carrying Capacity		Refer to Electrical Engineering section charts					
	Insulation Resistance		10 ¹⁰ Ω					
	Material		Polycarbonate					
	Temperature Range		-40 to 125°C [-40 to 257°F]					
	Flammability		UL 94 V-0 GWT 960°					
	Degree Protection	With Housing	IP66, NEMA/UL (Type 1, 4, 4X, 12)					
		Without Housing	IP20					
	Mechanical Working Life		500 Cycles					
Conductor Termination	Screw Terminals	√	√	N/A	N/A	√	N/A	
	Crimp Contacts	N/A	√	√	√	√	√	
Contacts	Material		Hard-silver plated (2μm Au) or gold plated copper alloy					
	Minimum Recommended Load (voltage & current)		5V/5mA AC/DC (silver plated)					
	Contact Resistance		≤ 0.3 mΩ / 1mΩ	≤ 1mΩ	≤ 3mΩ		≤ 1mΩ	≤ 3mΩ
	Screw Terminal Wire Size	mm²	1.5-16 / 0.5-2.5	0.5-2.5	N/A		0.5-4.0	N/A
		AWG	16-6 AWG / 20-14	20-14	N/A		20-12	N/A
	Screw Terminal Tightening Test Torque		1.2 Nm / 0.5 Nm	0.5 Nm	N/A		0.5 Nm	N/A
	Screw Terminal Stripping Length		14mm / 7.0 mm	7.0 mm	N/A		7.0 mm	N/A
	Crimp Terminal Wire Size	mm²	N/A	0.14-4	0.14-2.5		0.14-4	0.14-2.5
		AWG	N/A	26-12	26-14		26-12	26-14
	Crimp Terminal Stripping Length		N/A	7.5 mm	8mm		7.5 mm	N/A
Aluminum Hoods/ Bases/Couplers/ Covers	Material		Die cast aluminum alloy, Polyester powder coated					
	Locking Element		Stainless steel lever and peg					
	Housings Seal		NBR (Nitrile)					
	Degree of Protection Acc. to EN 60529 (coupled) NEMA 250, UL50, 50E		IP66, NEMA/UL (Type 1, 4, 4X, 12)					
	Temperature Range		-40 to 125°C [-40 to 257°F]					
	Thread		Metric EN50262 Pg DIN 40430					

* Connectors should not be coupled and decoupled under electrical load.



STD Series Multi-Wire Connectors Size 3A

**ZP-MC03A-1-MS003****ZP-MC03A-1-MS004****ZP-MC03A-1-MC005****ZP-MC03A-1-MC007****ZP-MC03A-1-MC012****ZP-MC03A-1-FS003****ZP-MC03A-1-FS004****ZP-MC03A-1-FC005****ZP-MC03A-1-FC007****ZP-MC03A-1-FC012**

Inserts						
Insert Type	No. of Poles	3+PE	4+PE	5+PE	7+PE	12+PE
	Rated Voltage AC/DC	600V	600V	600V	600V	600V
	Max. Rated Current	10A	10A	16A	10A	10A
	Termination Type	Screw Terminals	Screw Terminals	Crimp Contacts*	Crimp Contacts*	Crimp Contacts*
Male	Part Number	<u>ZP-MC03A-1-MS003</u>	<u>ZP-MC03A-1-MS004</u>	<u>ZP-MC03A-1-MC005</u>	<u>ZP-MC03A-1-MC007</u>	<u>ZP-MC03A-1-MC012</u>
	Price	\$-7_l:	\$7_n:	\$-7_i:	\$-7_j:	\$07_k:
	Contact Size	N/A	N/A	<u>ZP-MC-CC-M16A-XX*</u>	<u>ZP-MC-CC-M10A-XX*</u>	<u>ZP-MC-CC-M10A-XX*</u>
	Weight (lb.)	0.284	0.295	0.031	0.163	0.029
Female	Part Number	<u>ZP-MC03A-1-FS003</u>	<u>ZP-MC03A-1-FS004</u>	<u>ZP-MC03A-1-FC005</u>	<u>ZP-MC03A-1-FC007</u>	<u>ZP-MC03A-1-FC012</u>
	Price	\$7_g:	\$7_h:	\$;7[a:	\$;7[b:	\$;07_f:
	Contact Size	N/A	N/A	<u>ZP-MC-CC-F16A-XX*</u>	<u>ZP-MC-CC-F10A-XX*</u>	<u>ZP-MC-CC-F10A-XX*</u>
	Weight (lb.)	0.275	0.302	0.031	0.143	0.031

* Crimp Contacts must be purchased separately. The XX represents wire AWG. See Accessories section for complete part numbers.

**ZP-MC03A-2-STE11M****ZP-MC03A-2-STE11P****ZP-MC03A-2-SSE11M****ZP-MC03A-2-SSE11P****ZP-MC03A-2-SBHM****ZP-MC03A-2-SBHP**

Hoods, Bases, Couplers and Covers						Accessories***
Housing Component		Threaded Opening**	Part Number	Price	Weight [lb]	Plug with Gasket
Aluminum	Straight Hood	Pg 11	<u>ZP-MC03A-2-STE11M</u>	\$;7[s:	0.050	<u>ZP-MC-PLG-11M8</u>
	Angled Hood	Pg 11	<u>ZP-MC03A-2-SSE11M</u>	\$;7[n:	0.048	<u>ZP-MC-PLG-11M8</u>
	Bulkhead Straight Base	N/A	<u>ZP-MC03A-2-SBHM</u>	\$;7[e:	0.044	N/A
	Bulkhead Angled Base	N/A	<u>ZP-MC03A-2-SBHAM</u>	\$;7[c:	0.055	N/A
	Surface Mount Base	Pg 11	<u>ZP-MC03A-2-SSM11M</u>	\$;07[p:	0.070	<u>ZP-MC-PLG-11M8</u>
	Coupler	Pg 11	<u>ZP-MC03A-2-SCP11M</u>	\$;7[g:	0.068	<u>ZP-MC-PLG-11M8</u>
	Cover - Male Insert	N/A	<u>ZP-MC03A-2-SCVPMM</u>	\$;7[k:	0.015	N/A
	Cover - Female Insert	N/A	<u>ZP-MC03A-2-SCVPFM</u>	\$;-7[i:	0.019	N/A
Thermoplastic	Straight Hood	Pg 11	<u>ZP-MC03A-2-STE11P</u>	\$;-7[t:	0.028	N/A
	Angled Hood	Pg 11	<u>ZP-MC03A-2-SSE11P</u>	\$;7[o:	0.026	
	Bulkhead Straight Base	N/A	<u>ZP-MC03A-2-SBHP</u>	\$;-7[f:	0.024	
	Bulkhead Angled Base	N/A	<u>ZP-MC03A-2-SBHAP</u>	\$;7[d:	0.030	
	Surface Mount Base	Pg 11	<u>ZP-MC03A-2-SSM11P</u>	\$;7[q:	0.039	
	Coupler	Pg 11	<u>ZP-MC03A-2-SCP11P</u>	\$;7[h:	0.033	
	Cover - Male Insert	N/A	<u>ZP-MC03A-2-SCVPMP</u>	\$;-7[l:	0.008	
	Cover - Female Insert	N/A	<u>ZP-MC03A-2-SCVPFP</u>	\$;-7[j:	0.008	

** To convert to NPT, select a Pg to NPT Adapter.

***Accessories pricing and details can be found in the Accessories section.



STD Series Multi-Wire Connectors Size 3A

**ZP-MC03A-2-SBHAM****ZP-MC03A-2-SBHAP****ZP-MC03A-2-SSM11M****ZP-MC03A-2-SSM11P****ZP-MC03A-2-SCP11M****ZP-MC03A-2-SCP11P****ZP-MC03A-2-SCVPMM****ZP-MC03A-2-SCVPMP****ZP-MC03A-2-SCVPFM****ZP-MC03A-2-SCVPFP****IP66 Cable Gland****IP68 Cable Gland****PG to NPT Adapter****Plug with Gasket**

Accessories*** Continued

Housing Component		IP66 Cable Glands	IP68 Cable Glands	Pg to NPT Adapter	
				Pg 11 to 3/8"	Pg 11 to 1/2"
Aluminum	Straight Hood	<u>ZP-MC-CG-11M5</u>	<u>ZP-MC-CG-11M8</u>	<u>ZP-MC-A-11038</u>	<u>ZP-MC-A-11012</u>
	Angled Hood	<u>ZP-MC-CG-11M5</u>	<u>ZP-MC-CG-11M8</u>	<u>ZP-MC-A-11038</u>	<u>ZP-MC-A-11012</u>
	Bulkhead Straight Base	<u>ZP-MC-CG-11M5</u>	<u>ZP-MC-CG-11M8</u>	<u>ZP-MC-A-11038</u>	<u>ZP-MC-A-11012</u>
	Bulkhead Angled Base	N/A	N/A	N/A	N/A
	Surface Mount Base	<u>ZP-MC-CG-11M5</u>	<u>ZP-MC-CG-11M8</u>	<u>ZP-MC-A-11038</u>	<u>ZP-MC-A-11012</u>
	Coupler	<u>ZP-MC-CG-11M5</u>	<u>ZP-MC-CG-11M8</u>	<u>ZP-MC-A-11038</u>	<u>ZP-MC-A-11012</u>
	Cover - Male Insert	N/A	N/A	N/A	N/A
	Cover - Female Insert	N/A	N/A	N/A	N/A
Thermoplastic	Straight Hood	<u>ZP-MC-CG-11P5</u>	N/A	N/A	N/A
	Angled Hood	<u>ZP-MC-CG-11P5</u>	N/A	N/A	N/A
	Bulkhead Straight Base	<u>ZP-MC-CG-11P5</u>	N/A	N/A	N/A
	Bulkhead Angled Base	N/A	N/A	N/A	N/A
	Surface Mount Base	<u>ZP-MC-CG-11P5</u>	N/A	N/A	N/A
	Coupler	<u>ZP-MC-CG-11P5</u>	N/A	N/A	N/A
	Cover - Male Insert	N/A	N/A	N/A	N/A
	Cover - Female Insert	N/A	N/A	N/A	N/A

*** Accessories pricing and details can be found in the Accessories section.



STD Series Multi-Wire Connectors Size 10A

**ZP-MC10A-1-MS010****ZP-MC10A-1-FS010****ZP-MC10A-1-MC010****ZP-MC10A-1-FC010****ZP-MC10A-1-MC015****ZP-MC10A-1-FC015**

Inserts

Insert Type	No. of Poles	10+PE		15+PE
	Rated Voltage AC/DC	600V		600V
	Max. Rated Current	16A		10A
	Termination Type	Screw Terminals		Crimp Contacts*
Male	Part Number	<u>ZP-MC10A-1-MS010</u>	<u>ZP-MC10A-1-MC010</u>	<u>ZP-MC10A-1-MC015</u>
	Price	\$07p7:	\$07p5:	\$07p6:
	Contact Size	N/A	<u>ZP-MC-CC-M16A-XX*</u>	<u>ZP-MC-CC-M10A-XX*</u>
	Weight [lb]	0.101	0.046	0.066
Female	Part Number	<u>ZP-MC10A-1-FS010</u>	<u>ZP-MC10A-1-FC010</u>	<u>ZP-MC10A-1-FC015</u>
	Price	\$07p4:	\$07p2:	\$07p3:
	Contact Size	N/A	<u>ZP-MC-CC-F16A-XX*</u>	<u>ZP-MC-CC-F10A-XX*</u>
	Weight (lb.)	0.106	0.051	0.066

* Crimp Contacts must be purchased separately. The XX represents wire AWG. See Accessories section for complete part numbers.

**ZP-MC10A-2-STE13M****ZP-MC10A-2-SSE16M****ZP-MC10A-2-SBHM****ZP-MC10A-2-SBHMC****ZP-MC10A-2-SSM16M****ZP-MC10A-2-SSM16MC**

Hoods, Bases, Couplers and Covers

Accessories**

Housing Component		Threaded Opening**	Part Number	Price	Weight [lb]	Plug with Gasket
Single Lever	Top Entry Hood	Pg 13.5	<u>ZP-MC10A-2-STE13M</u>	\$07o?:	0.209	<u>ZP-MC-PLG-13M8</u>
		Pg 16	<u>ZP-MC10A-2-STE16M</u>	\$07o,:	0.205	<u>ZP-MC-PLG-16M8</u>
		Pg 16 HC	<u>ZP-MC10A-2-STE16ML</u>	\$07p0:	0.306	<u>ZP-MC-PLG-16M8</u>
		Pg 21 HC	<u>ZP-MC10A-2-STE21ML</u>	\$07p1:	0.299	<u>ZP-MC-PLG-21M8</u>
	Side Entry Hood	Pg 16	<u>ZP-MC10A-2-SSE16M</u>	\$07oy:	0.216	<u>ZP-MC-PLG-16M8</u>
		Pg 16 HC	<u>ZP-MC10A-2-SSE16ML</u>	\$07oz:	0.295	<u>ZP-MC-PLG-16M8</u>
		Pg 21 HC	<u>ZP-MC10A-2-SSE21ML</u>	\$07oj:	0.291	<u>ZP-MC-PLG-21M8</u>
	Bulkhead	N/A	<u>ZP-MC10A-2-SBHM</u>	\$07hl:	0.165	N/A
	Bulkhead w/Cover	N/A	<u>ZP-MC10A-2-SBHMC</u>	\$07h?:	0.262	N/A
	Surface Mounting Housing	Pg 16x2	<u>ZP-MC10A-2-SSM16M</u>	\$07of:	0.373	<u>ZP-MC-PLG-16M8</u>
		Pg 21x2	<u>ZP-MC10A-2-SSM21M</u>	\$07of#:	0.329	<u>ZP-MC-PLG-21M8</u>
	Surface Mounting Housing/ with Cover	Pg 16x2	<u>ZP-MC10A-2-SSM16MC</u>	\$07o_:	0.463	<u>ZP-MC-PLG-16M8</u>
		Pg 21x2	<u>ZP-MC10A-2-SSM21MC</u>	\$07ol:	0.432	<u>ZP-MC-PLG-21M8</u>
	Cover w/Pegs - 1 Lever	N/A	<u>ZP-MC10A-2-SCVLM</u>	\$07ov:	0.124	N/A
	Cover w/Pegs - 2 Pegs	N/A	<u>ZP-MC10A-2-SCVPM</u>	\$07ox:	0.059	N/A

** To convert to NPT, select a Pg to NPT adapter. HC = High Construction

*** Accessories pricing and details can be found in the Accessories section.



STD Series Multi-Wire Connectors

Size 10A



Single Lever Cover



IP66 Cable Gland



IP68 Cable Gland



PG to NPT Adapter



Plug with Gasket

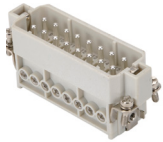
Accessories*** Continued

Housing Component		IP66 Cable Glands	IP68 Cable Glands	Pg to NPT Adapter		
				Pg 13.5 to 1/2"	Pg 16 to 1/2"	Pg 21 to 3/4"
Single Lever	Top Entry Hood	ZP-MC-CG-13M5	ZP-MC-CG-13M8	ZP-MC-A-13012	N/A	N/A
		ZP-MC-CG-16M5	ZP-MC-CG-16M8	N/A	ZP-MC-A-16012	N/A
		N/A	ZP-MC-CG-16M8	N/A	ZP-MC-A-16012	N/A
		N/A	ZP-MC-CG-21M8	N/A	N/A	ZP-MC-A-21034
	Side Entry Hood	ZP-MC-CG-16M5	ZP-MC-CG-16M8	N/A	ZP-MC-A-16012	N/A
		N/A	ZP-MC-CG-16M8	N/A	ZP-MC-A-16012	N/A
		N/A	ZP-MC-CG-21M8	N/A	N/A	ZP-MC-A-21034
	Bulkhead	N/A	N/A	N/A	N/A	N/A
	Bulkhead w/Cover	N/A	N/A	N/A	N/A	N/A
	Surface Mounting Housing	N/A	ZP-MC-CG-16M8	N/A	ZP-MC-A-16012	N/A
		N/A	ZP-MC-CG-21M8	N/A	N/A	ZP-MC-A-21034
	Surface Mounting Housing/ with Cover	N/A	ZP-MC-CG-16M8	N/A	ZP-MC-A-16012	N/A
		N/A	ZP-MC-CG-21M8	N/A	N/A	ZP-MC-A-21034
	Cover w/Pegs - 1 Lever	N/A	N/A	N/A	N/A	N/A
	Cover w/Pegs - 2 Pegs	N/A	N/A	N/A	N/A	N/A

*** Accessories pricing and details can be found in the Accessories section.



STD Series Multi-Wire Connectors Size 16A

**ZP-MC16A-1-MS016****ZP-MC16A-1-FS016****ZP-MC16A-1-MC016****ZP-MC16A-1-FC016****ZP-MC16A-1-MC025****ZP-MC16A-1-FC025**

Inserts

Insert Type	No. of Poles	16+PE		25+PE
	Rated Voltage AC/DC	600V		600V
	Max. Rated Current	16A		10A
	Termination Type	Screw Terminal	Crimp Contacts*	Crimp Contacts*
Male	Part Number	ZP-MC16A-1-MS016	ZP-MC16A-1-MC016	ZP-MC16A-1-MC025
	Price	\$-07i4:	\$-07i2:	\$-07i3:
	Contact Size	N/A	ZP-MC-CC-M16A-XX*	ZP-MC-CC-M10A-XX*
	Weight [lb]	0.139	0.064	0.079
Female	Part Number	ZP-MC16A-1-FS016	ZP-MC16A-1-FC016	ZP-MC16A-1-FC025
	Price	\$-07i1:	\$-07h,:	\$-07i0:
	Contact Size	N/A	ZP-MC-CC-F16A-XX*	ZP-MC-CC-F10A-XX*
	Weight [lb]	0.148	0.068	0.086

* Crimp Contacts must be purchased separately. The XX represents wire AWG. See Accessories section for complete part numbers.

**ZP-MC16A-2-STE13M****ZP-MC16A-2-SSE16M****ZP-MC16A-2-SBHM****ZP-MC16A-2-SBHMC****ZP-MC16A-2-SSM16M****ZP-MC16A-2-SSM21MC**

Hoods, Bases, Couplers and Covers

Accessories**

Housing Component		Threaded Opening**	Part Number	Price	Weight [lb]	Plug with Gasket
Single Lever	Top Entry Hood	Pg 13.5	ZP-MC16A-2-STE13M	\$-07ig:	0.232	ZP-MC-PLG-13M8
		Pg 16	ZP-MC16A-2-STE16M	\$-07ih:	0.234	ZP-MC-PLG-16M8
		Pg 16 HC	ZP-MC16A-2-STE16ML	\$-07ii:	0.388	ZP-MC-PLG-16M8
		Pg 21 HC	ZP-MC16A-2-STE21ML	\$-07ij:	0.373	ZP-MC-PLG-21M8
	Side Entry Hood	Pg 16	ZP-MC16A-2-SSE16M	\$-07i9:	0.254	ZP-MC-PLG-16M8
		Pg 16 HC	ZP-MC16A-2-SSE16ML	\$-07ia:	0.381	ZP-MC-PLG-16M8
		Pg 21 HC	ZP-MC16A-2-SSE21ML	\$-07ib:	0.366	ZP-MC-PLG-21M8
	Bulkhead	N/A	ZP-MC16A-2-SBHM	\$-07i5:	0.185	N/A
	Bulkhead w/Cover	N/A	ZP-MC16A-2-SBHMC	\$-07i6:	0.298	N/A
	Surface Mounting Housing	Pg 16x2	ZP-MC16A-2-SSM16M	\$-07ic:	0.445	ZP-MC-PLG-16M8
		Pg 21x2	ZP-MC16A-2-SSM21M	\$-07ie:	0.403	ZP-MC-PLG-21M8
	Surface Mounting Housing/ with Cover	Pg 16	ZP-MC16A-2-SSM16MC	\$-07id:	0.558	ZP-MC-PLG-16M8
		Pg 21	ZP-MC16A-2-SSM21MC	\$-07if:	0.518	ZP-MC-PLG-21M8
	Cover w/Pegs - 1 Lever	N/A	ZP-MC16A-2-SCVLM	\$-07i7:	0.145	N/A
	Cover w/Pegs - 2 Pegs	N/A	ZP-MC16A-2-SCVPM	\$-07i8:	0.068	N/A

** To convert to NPT, select a Pg to NPT adapter.HC = High Construction

*** Accessories pricing and details can be found in the Accessories section.



STD Series Multi-Wire Connectors

Size 16A



Single Lever Cover



IP66 Cable Gland



IP68 Cable Gland



PG to NPT Adapter



Plug with Gasket

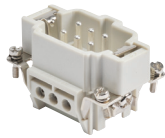
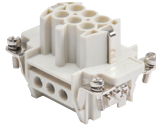
Accessories*** Continued

Housing Component		IP66 Cable Glands	IP68 Cable Glands	Pg to NPT Adapter		
				Pg 13.5 to 1/2"	Pg 16 to 1/2"	Pg 21 to 3/4"
Single Lever	Top Entry Hood	<u>ZP-MC-CG-13M5</u>	<u>ZP-MC-CG-13M8</u>	<u>ZP-MC-A-13012</u>	N/A	N/A
		<u>ZP-MC-CG-16M5</u>	<u>ZP-MC-CG-16M8</u>	N/A	<u>ZP-MC-A-16012</u>	N/A
		N/A	<u>ZP-MC-CG-16M8</u>	N/A	<u>ZP-MC-A-16012</u>	N/A
		N/A	<u>ZP-MC-CG-21M8</u>	N/A	N/A	<u>ZP-MC-A-21034</u>
	Side Entry Hood	<u>ZP-MC-CG-16M5</u>	<u>ZP-MC-CG-16M8</u>	N/A	<u>ZP-MC-A-16012</u>	N/A
		N/A	<u>ZP-MC-CG-16M8</u>	N/A	<u>ZP-MC-A-16012</u>	N/A
		N/A	<u>ZP-MC-CG-21M8</u>	N/A	N/A	<u>ZP-MC-A-21034</u>
	Bulkhead	N/A	N/A	N/A	N/A	N/A
	Bulkhead w/Cover	N/A	N/A	N/A	N/A	N/A
	Surface Mounting Housing	N/A	<u>ZP-MC-CG-16M8</u>	N/A	<u>ZP-MC-A-16012</u>	N/A
		N/A	<u>ZP-MC-CG-21M8</u>	N/A	N/A	<u>ZP-MC-A-21034</u>
	Surface Mounting Housing/ with Cover	N/A	<u>ZP-MC-CG-16M8</u>	N/A	<u>ZP-MC-A-16012</u>	N/A
		N/A	<u>ZP-MC-CG-21M8</u>	N/A	N/A	<u>ZP-MC-A-21034</u>
	Cover w/Pegs - 1 Lever	N/A	N/A	N/A	N/A	N/A
	Cover w/Pegs - 2 Pegs	N/A	N/A	N/A	N/A	N/A

*** Accessories pricing and details can be found in the Accessories section.



STD Series Multi-Wire Connectors Size 6B

**ZP-MC06B-1-MS006****ZP-MC06B-1-FS006****ZP-MC06B-1-MC006****ZP-MC06B-1-FC006****ZP-MC06B-1-MC024****ZP-MC06B-1-FC024**

Inserts				
Insert Type	No. of Poles	6+PE		24+PE
	Rated Voltage AC/DC	600 Volts		600 Volts
	Max. Rated Current	16 Amps		10 Amps
	Termination Type	Screw Terminals		Crimp Contacts*
Male	Part Number	ZP-MC06B-1-MS006	ZP-MC06B-1-MC006	ZP-MC06B-1-MC024
	Price	\$;:07[]:	\$;:07[y:	\$;:07[z:
	Contact Size	N/A	ZP-MC-CC-M16A-XX*	ZP-MC-CC-M10A-XX*
	Weight [lb]	0.103	0.081	0.083
Female	Part Number	ZP-MC06B-1-FS006	ZP-MC06B-1-FC006	ZP-MC06B-1-FC024
	Price	\$;:07[x:	\$;:07[u:	\$;:07[v:
	Contact Size	N/A	ZP-MC-CC-F16A-XX*	ZP-MC-CC-F10A-XX*
	Weight (lb.)	0.101	0.081	0.081

*Crimp contacts must be purchased separately. The XX represents wire AWG. See Accessories section for complete part numbers.

Hoods, Bases, Couplers and Covers						Accessories***
Housing Component		Threaded Opening**	Part Number	Price	Weight [lb]	Plug with Gasket
Single Lever	Top Entry Hood (2 Pegs)	Pg 16	ZP-MC06B-2-STE16M	\$07_c:	0.200	ZP-MC-PLG-16M8
		Pg 21 HC	ZP-MC06B-2-STE21ML	\$07_d:	0.368	ZP-MC-PLG-21M8
		Pg 29 HC	ZP-MC06B-2-STE29ML	\$07_e:	0.343	ZP-MC-PLG-29M8
	Side Entry Hood (2 Pegs)	Pg 16	ZP-MC06B-2-SSE16M	\$07_0:	0.205	ZP-MC-PLG-16M8
		Pg 21 HC	ZP-MC06B-2-SSE21ML	\$07_1:	0.366	ZP-MC-PLG-21M8
		Pg 29 HC	ZP-MC06B-2-SSE29ML	\$07_2:	0.350	ZP-MC-PLG-29M8
	Surface Mount Base	Pg 16x2	ZP-MC06B-2-SSM16M	\$07_5:	0.421	ZP-MC-PLG-16M8
		Pg 21x2 HC	ZP-MC06B-2-SSM21ML	\$07_8:	0.654	ZP-MC-PLG-21M8
		Pg 29x2 HC	ZP-MC06B-2-SSM29ML	\$07_b:	0.575	ZP-MC-PLG-29M8
	Surface Mount w/Cover	Pg 16x2	ZP-MC06B-2-SSM16C	\$07_3:	0.545	ZP-MC-PLG-16M8
		Pg 21x2 HC	ZP-MC06B-2-SSM21CL	\$07_7:	0.783	ZP-MC-PLG-21M8
		Pg 29x2 HC	ZP-MC06B-2-SSM29CL	\$07_a:	0.681	ZP-MC-PLG-29M8
	Surface Mount /w Automatic Cover	Pg 16x2	ZP-MC06B-2-SSM16CA	\$007_4:	0.805	ZP-MC-PLG-16M8
		Pg 21x2 HC	ZP-MC06B-2-SSM21CA	\$007_6:	0.948	ZP-MC-PLG-21M8
		Pg 29x2 HC	ZP-MC06B-2-SSM29CA	\$007_9:	0.946	ZP-MC-PLG-29M8
	Bulkhead Base	N/A	ZP-MC06B-2-SBHM	\$;07[#:	0.207	N/A
	Bulkhead w/Cover	N/A	ZP-MC06B-2-SBHC	\$;:07[[:	0.351	N/A
	Bulkhead w/Auto Cover	N/A	ZP-MC06B-2-SBHCA	\$;007[_:	0.496	N/A
	Coupler (Single Lever)	Pg 16	ZP-MC06B-2-SCP16M	\$;:07[!:	0.295	ZP-MC-PLG-16M8
	Cover (Single Lever)	N/A	ZP-MC06B-2-SCVLM	\$;07[?:	0.167	N/A
	Cover (2 Pegs)	N/A	ZP-MC06B-2-SCVPM	\$;:07[.:	0.108	N/A

** To convert to NPT, select a Pg to NPT adapter. HC = High Construction

*** Accessories pricing and details can be found in the Accessories section.



STD Series Multi-Wire Connectors Size 6B



Single Lever Coupler



Single Lever Cover



IP66 Cable Gland



IP68 Cable Gland



PG to NPT Adapter



Plug with Gasket

Single Lever
Top Entry HoodSingle Lever Top
Entry Hood High
CapacitySingle Lever Side
Entry HoodSingle Lever Side
Entry Hood High
CapacitySingle Lever
Surface Mount
BaseSingle Lever
Surface Mount
Base High CapacitySingle Lever
Bulkhead Base

Accessories*** Continued

Housing Component		IP66 Cable Glands	IP68 Cable Glands	Pg to NPT Adapter			
				Pg 16 to 1/2"	Pg 21 to 3/4"	Pg 29 to 1"	Pg 29 to 1 1/4"
Single Lever / 2 Pegs	Top Entry Hood (2 Pegs)	ZP-MC-CG-16M5	ZP-MC-CG-16M8	ZP-MC-A-16012	N/A	N/A	N/A
		N/A	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
		N/A	ZP-MC-CG-29M8	N/A	N/A	ZP-MC-A-29100	ZP-MC-A-29114
	Side Entry Hood (2 Pegs)	ZP-MC-CG-16M5	ZP-MC-CG-16M8	ZP-MC-A-16012	N/A	N/A	N/A
		N/A	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
		N/A	ZP-MC-CG-29M8	N/A	N/A	ZP-MC-A-29100	ZP-MC-A-29114
	Surface Mount Base	ZP-MC-CG-16M5	ZP-MC-CG-16M8	ZP-MC-A-16012	N/A	N/A	N/A
		ZP-MC-CG-21M5	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
		ZP-MC-CG-29M5	ZP-MC-CG-29M8	N/A	N/A	ZP-MC-A-29100	ZP-MC-A-29114
	Surface Mount w/Cover	ZP-MC-CG-16M5	ZP-MC-CG-16M8	ZP-MC-A-16012	N/A	N/A	N/A
		ZP-MC-CG-21M5	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
		ZP-MC-CG-29M5	ZP-MC-CG-29M8	N/A	N/A	ZP-MC-A-29100	ZP-MC-A-29100
	Surface Mount w/ Automatic Cover	ZP-MC-CG-16M5	ZP-MC-CG-16M8	ZP-MC-A-16012	N/A	N/A	N/A
		ZP-MC-CG-21M5	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
		ZP-MC-CG-29M5	ZP-MC-CG-29M8	N/A	N/A	ZP-MC-A-29100	ZP-MC-A-29100
	Bulkhead Base	N/A	N/A	N/A	N/A	N/A	N/A
	Bulkhead w/Cover	N/A	N/A	N/A	N/A	N/A	N/A
	Bulkhead w/Auto Cover	N/A	N/A	N/A	N/A	N/A	N/A
	Coupler (Single Lever)	ZP-MC-CG-16M5	ZP-MC-CG-16M8	ZP-MC-A-16012	N/A	N/A	N/A
	Cover (Single Lever)	N/A	N/A	N/A	N/A	N/A	N/A
	Cover (2 Pegs)	N/A	N/A	N/A	N/A	N/A	N/A

*** Accessories pricing and details can be found in the Accessories section.

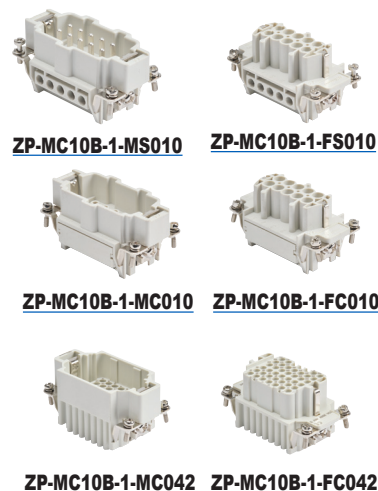


STD Series Multi-Wire Connectors

Size 10B

Inserts				
Insert Type	No. of Poles	10+PE		42+PE
	Rated Voltage AC/DC	600 Volts		600 Volts
	Max. Rated Current	16 Amps		10 Amps
	Termination Type	Screw Terminals		Crimp Contacts*
Male	Part Number	ZP-MC10B-1-MS010	ZP-MC10B-1-MC010	ZP-MC10B-1-MC042
	Price	\$;07]u:	\$;07]s:	\$;07]t:
	Contact Size	N/A	ZP-MC-CC-M16A-XX*	ZP-MC-CC-M10A-XX*
	Weight [lb]	0.134	0.099	0.099
Female	Part Number	ZP-MC10B-1-FS010	ZP-MC10B-1-FC010	ZP-MC10B-1-FC042
	Price	\$;07]q:	\$;07]o:	\$;07]p:
	Contact Size	N/A	ZP-MC-CC-F16A-XX*	ZP-MC-CC-F10A-XX*
	Weight [lb]	0.134	0.099	0.103

*Crimp contacts must be purchased separately. The XX represents wire AWG.
See Accessories section for complete part numbers.



Hoods, Bases, Couplers and Covers						Accessories***
Housing Component		Threading Opening**	Part Number	Price	Weight [lb]	Plugs with Gasket
Single Lever / 2 Pgs	Top Entry Hood (2 Pgs)	Pg 16	ZP-MC10B-2-STE16M	\$;07]7:	0.271	ZP-MC-PLG-16M8
		Pg 21 HC	ZP-MC10B-2-STE21ML	\$;07]8:	0.432	ZP-MC-PLG-21M8
		Pg 29 HC	ZP-MC10B-2-STE29ML	\$;07]9:	0.410	ZP-MC-CG-29M8
	Side Entry Hood (2 Pgs)	Pg 16	ZP-MC10B-2-SSE16M	\$;07]_:	0.255	ZP-MC-PLG-16M8
		Pg 21 HC	ZP-MC10B-2-SSE21ML	\$;07]#:	0.416	ZP-MC-PLG-21M8
		Pg 29 HC	ZP-MC10B-2-SSE29ML	\$;07]!:	0.394	ZP-MC-CG-29M8
	Surface Mount Base	Pg 16x2	ZP-MC10B-2-SSM16M	\$;07]0:	0.509	ZP-MC-PLG-16M8
		Pg 21x2 HC	ZP-MC10B-2-SSM21ML	\$;07]3:	0.637	ZP-MC-PLG-21M8
		Pg 29x2 HC	ZP-MC10B-2-SSM29ML	\$;07]6:	0.637	ZP-MC-CG-29M8
	Surface Mount w/Cover	Pg 16x2	ZP-MC10B-2-SSM16C	\$;07]?:	0.655	ZP-MC-PLG-16M8
		Pg 21x2 HC	ZP-MC10B-2-SSM21CL	\$;07]2:	0.873	ZP-MC-PLG-21M8
		Pg 29x2 HC	ZP-MC10B-2-SSM29CL	\$;07]5:	0.794	ZP-MC-CG-29M8
	Surface Mount w/Automatic Cover	Pg 16x2	ZP-MC10B-2-SSM16CA	\$;007]_:	0.697	ZP-MC-PLG-16M8
		Pg 21x2 HC	ZP-MC10B-2-SSM21CA	\$;007]1:	1.041	ZP-MC-PLG-21M8
		Pg 29x2 HC	ZP-MC10B-2-SSM29CA	\$;007]4:	1.027	ZP-MC-CG-29M8
	Bulkhead Base (Single Lever)	N/A	ZP-MC10B-2-SBHM	\$;07]y:	0.245	N/A
	Bulkhead w/Cover (Single Lever)	N/A	ZP-MC10B-2-SBHC	\$;07]v:	0.401	N/A
	Bulkhead w/Automatic Cover (Single Cover)	N/A	ZP-MC10B-2-SBHCA	\$;007]x:	0.520	N/A
	Coupler (Single Lever)	Pg 16	ZP-MC10B-2-SCP16M	\$;07]z:	0.379	ZP-MC-PLG-16M8
	Cover (Single Lever)	N/A	ZP-MC10B-2-SCVLM	\$;07]j:	0.200	N/A
	Cover (2 Pgs)	N/A	ZP-MC10B-2-SCVPM	\$;07]i:	0.108	N/A
Double Lever / 4 Pgs	Top Entry Hood (4 Pgs)	Pg 16	ZP-MC10B-2-DTE16M	\$;07]k:	0.262	ZP-MC-PLG-16M8
		Pg 21 HC	ZP-MC10B-2-DTE21ML	\$;07]l:	0.432	ZP-MC-PLG-21M8
		Pg 29 HC	ZP-MC10B-2-DTE29ML	\$;07]n:	0.407	ZP-MC-CG-29M8
	Top Double Entry Hood (4 Pgs)	Pg 13.5x2 HC	ZP-MC10B-2-DTE13M2	\$;07]j:	0.459	ZP-MC-PLG-13M8****
	Side Entry Hood (4 Pgs)	Pg 16	ZP-MC10B-2-DSE16M	\$;07]d:	0.260	ZP-MC-PLG-16M8
		Pg 21 HC	ZP-MC10B-2-DSE21ML	\$;07]e:	0.421	ZP-MC-PLG-21M8
		Pg 29 HC	ZP-MC10B-2-DSE29ML	\$;07]f:	0.399	ZP-MC-CG-29M8
	Surface Mount Base (4 Peg)	Pg 16x2	ZP-MC10B-2-DSM16M	\$;07]g:	0.537	ZP-MC-PLG-16M8
		Pg 21x2 HC	ZP-MC10B-2-DSM21ML	\$;07]h:	0.676	ZP-MC-PLG-21M8
		Pg 29x2 HC	ZP-MC10B-2-DSM29ML	\$;07]i:	0.663	ZP-MC-CG-29M8
	Bulkhead Base (Double Lever)	N/A	ZP-MC10B-2-DBHM	\$;07]8:	0.277	N/A
	Coupler (Double Lever)	Pg 16	ZP-MC10B-2-DCP16M	\$;07]9:	0.429	ZP-MC-PLG-16M8
		Pg 21 HC	ZP-MC10B-2-DCP21ML	\$;07]a:	0.599	ZP-MC-PLG-21M8
	Cover (Double Lever)	N/A	ZP-MC10B-2-DCVLM	\$;07]b:	0.235	N/A
	Cover (4 Peg)	N/A	ZP-MC10B-2-DCVPM	\$;07]c:	0.101	N/A

** To convert to NPT, select a Pg to NPT adapter. *** Accessories pricing and details can be found in the Accessories section. **** There are 2 openings per hood.



STD Series Multi-Wire Connectors

Size 10B



**Single Lever
Top Entry Hood**



**Single Lever
Top Entry Hood
High Capacity**



**Double Entry
Hood**



**Single Lever
Side Entry
Hood**



**Single Lever Side
Entry Hood High
Capacity**



**Single Lever
Surface Mount
Base**



**Single Lever
Surface Mount
Base High Capacity**



**Single Lever
Bulkhead Base**



**Single Lever
Coupler**



**Surface
Mount w/
Cover**



**Single Lever
Cover**



**Double Lever Top
Entry Hood**



**Double Lever
Top Entry Hood
High Capacity**



**Double Lever
Side Entry Hood**



**Double Lever
Side Entry Hood
High Capacity**



**Double Lever
Surface Mount
Base**

Note: See end of section
for accessory photos

Accessories*** Continued

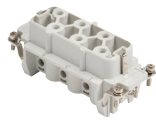
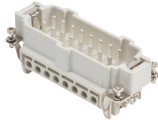
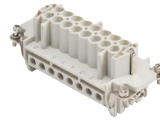
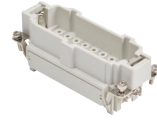
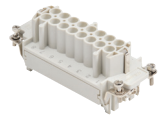
Housing Component		IP66 Cable Glands	IP68 Cable Glands	Pg to NPT Adapter			
				Pg13.5/Pg16 to 1/2"	Pg 21 to 3/4"	Pg 29 to 1"	Pg 29 to 1 1/4"
Single Lever / 2 Pegs	Top Entry Hood (2 Pegs)	ZP-MC-CG-16M5	ZP-MC-CG-16M8	ZP-MC-A-16012	N/A	N/A	N/A
		N/A	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
		N/A	ZP-MC-CG-29M8	N/A	N/A	ZP-MC-A-29100	ZP-MC-A-29114
	Side Entry Hood (2 Pegs)	ZP-MC-CG-16M5	ZP-MC-CG-16M8	ZP-MC-A-16012	N/A	N/A	N/A
		N/A	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
		N/A	ZP-MC-CG-29M8	N/A	N/A	ZP-MC-A-29100	ZP-MC-A-29114
	Surface Mount Base	ZP-MC-CG-16M5	ZP-MC-CG-16M8	ZP-MC-A-16012	N/A	N/A	N/A
		ZP-MC-CG-21M5	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
		ZP-MC-CG-29M5	ZP-MC-CG-29M8	N/A	N/A	ZP-MC-A-29100	ZP-MC-A-29114
	Surface Mount w/Cover	ZP-MC-CG-16M5	ZP-MC-CG-16M8	ZP-MC-A-16012	N/A	N/A	N/A
		ZP-MC-CG-21M5	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
		ZP-MC-CG-29M5	ZP-MC-CG-29M8	N/A	N/A	ZP-MC-A-29100	ZP-MC-A-29114
	Surface Mount w/Automatic Cover	ZP-MC-CG-16M5	ZP-MC-CG-16M8	ZP-MC-A-16012	N/A	N/A	N/A
		ZP-MC-CG-21M5	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
		ZP-MC-CG-29M5	ZP-MC-CG-29M8	N/A	N/A	ZP-MC-A-29100	ZP-MC-A-29114
	Bulkhead Base (Single Lever)	N/A	N/A	N/A	N/A	N/A	N/A
	Bulkhead w/Cover (Single Lever)	N/A	N/A	N/A	N/A	N/A	N/A
	Bulkhead w/Automatic Cover (Single Lever)	N/A	N/A	N/A	N/A	N/A	N/A
	Coupler (Single Lever)	ZP-MC-CG-16M5	ZP-MC-CG-16M8	ZP-MC-A-16012	N/A	N/A	N/A
	Cover (Single Lever)	N/A	N/A	N/A	N/A	N/A	N/A
	Cover (2 Pegs)	N/A	N/A	N/A	N/A	N/A	N/A
Double Lever / 4 Pegs	Top Entry Hood (4 Pegs)	ZP-MC-CG-16M5	ZP-MC-CG-16M8	ZP-MC-A-16012	N/A	N/A	N/A
		N/A	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
		N/A	ZP-MC-CG-29M8	N/A	N/A	ZP-MC-A-29100	ZP-MC-A-29114
	Top Double Entry Hood (4 Pegs)	N/A	ZP-MC-CG-13M8	ZP-MC-A-13012****	N/A	N/A	N/A
	Side Entry Hood (4 Pegs)	ZP-MC-CG-16M5	ZP-MC-CG-16M8	ZP-MC-A-16012	N/A	N/A	N/A
		N/A	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
		N/A	ZP-MC-CG-29M8	N/A	N/A	ZP-MC-A-29100	ZP-MC-A-29114
	Surface Mount Base (4 Pegs)	ZP-MC-CG-16M5	ZP-MC-CG-16M8	ZP-MC-A-16012	N/A	N/A	N/A
		N/A	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
		N/A	ZP-MC-CG-29M8	N/A	N/A	ZP-MC-A-29100	ZP-MC-A-29114
	Bulkhead Base (Double Lever)	N/A	N/A	N/A	N/A	N/A	N/A
	Coupler (Double Lever)	ZP-MC-CG-16M5	ZP-MC-CG-16M8	ZP-MC-A-16012	N/A	N/A	N/A
		N/A	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
	Cover (Double Lever)	N/A	N/A	N/A	N/A	N/A	N/A
	Cover (4 Pegs)	N/A	N/A	N/A	N/A	N/A	N/A

** To convert to NPT, select a Pg to NPT adapter. *** Accessories pricing and details can be found in the Accessories section. **** There are 2 openings per hood.



STD Series Multi-Wire Connectors

Size 16B

**ZP-MC16B-1-MS006****ZP-MC16B-1-FS006****ZP-MC16B-1-MS016****ZP-MC16B-1-FS016****ZP-MC16B-1-MC016****ZP-MC16B-1-FC016****ZP-MC16B-1-MC040****ZP-MC16B-1-FC040****ZP-MC16B-1-MC072****ZP-MC16B-1-FC072**

Inserts						
Insert Type	No. of Poles	6+PE	16+PE		40+PE	72+PE
	Rated Voltage AC/DC	600 Volts	600 Volts		600 Volts	600 Volts
	Max. Rated Current	35 Amps	16 Amps		10 Amps	10 Amps
	Termination Type	Screw Terminals	Screw Terminals	Crimp Contacts*	Crimp Contacts*	Crimp Contacts*
Male	Part Number	<u>ZP-MC16B-1-MS006</u>	<u>ZP-MC16B-1-MS016</u>	<u>ZP-MC16B-1-MC016</u>	<u>ZP-MC16B-1-MC040</u>	<u>ZP-MC16B-1-MC072</u>
	Price	\$;07J6:	\$;07J7:	\$;07J3:	\$;07J4:	\$;07J5:
	Contact Size	N/A	N/A	<u>ZP-MC-CC-M16A-XX*</u>	<u>ZP-MC-CC-M10A-XX*</u>	<u>ZP-MC-CC-M10A-XX*</u>
	Weight [lb]	0.174	0.180	0.123	0.125	0.125
Female	Part Number	<u>ZP-MC16B-1-FS006</u>	<u>ZP-MC16B-1-FS016</u>	<u>ZP-MC16B-1-FC016</u>	<u>ZP-MC16B-1-FC040</u>	<u>ZP-MC16B-1-FC072</u>
	Price	\$07sq:	\$;07J2:	\$07sn:	\$07so:	\$07sp:
	Contact Size	N/A	N/A	<u>ZP-MC-CC-F16A-XX*</u>	<u>ZP-MC-CC-F10A-XX*</u>	<u>ZP-MC-CC-F10A-XX*</u>
	Weight [lb]	0.185	0.183	0.125	0.138	0.136

*Crimp contacts must be purchased separately. The XX represents wire AWG. See Accessories section for complete part numbers.



STD Series Multi-Wire Connectors

Size 16B



Single Lever
Top Entry Hood



Single Lever Top
Entry Hood HC



Double Lever
Top Entry Hood



Double Lever
Top Entry Hood HC



Single Lever
Side Entry Hood



Single Lever Side
Entry Hood HC

Hoods, Bases, Couplers and Covers						Accessories***	
Housing Component		Threading Opening**	Part Number	Price	Weight (lb)	Plugs with Gasket	
Single Lever / 2 Pegs	Top Entry Hood (2 Pegs)	Pg 21	ZP-MC16B-2-STE21M	\$,07t4:	0.286	ZP-MC-PLG-21M8	
		Pg 21 HC	ZP-MC16B-2-STE21ML	\$,07t5:	0.493	ZP-MC-PLG-21M8	
		Pg 29 HC	ZP-MC16B-2-STE29ML	\$,07t6:	0.482	ZP-MC-PLG-29M8	
	Side Entry Hood (2 Pegs)	Pg 21	ZP-MC16B-2-SSE21M	\$,07s[:	0.337	ZP-MC-PLG-21M8	
		Pg 21 HC	ZP-MC16B-2-SSE21ML	\$07s_:	0.419	ZP-MC-PLG-21M8	
		Pg 29 HC	ZP-MC16B-2-SSE29ML	\$07s#:	0.489	ZP-MC-PLG-29M8	
	Surface Mount Base	Pg 21x2	ZP-MC16B-2-SSM21M	\$,07t0:	0.628	ZP-MC-PLG-21M8	
		Pg 21x2 HC	ZP-MC16B-2-SSM21ML	\$,07t1:	0.776	ZP-MC-PLG-21M8	
		Pg 29x2 HC	ZP-MC16B-2-SSM29ML	\$,07t3:	0.758	ZP-MC-PLG-29M8	
	Surface Mount w/Cover	Pg 21x2	ZP-MC16B-2-SSM21C	\$,07s!:	0.811	ZP-MC-PLG-21M8	
		Pg 21x2 HC	ZP-MC16B-2-SSM21CL	\$,07s,: :	1.029	ZP-MC-PLG-21M8	
		Pg 29x2 HC	ZP-MC16B-2-SSM29CL	\$,07t2:	0.928	ZP-MC-PLG-29M8	
	Surface Mount w/Automatic Cover	Pg 21x2	ZP-MC16B-2-SSM21CA	\$007s?:	0.836	ZP-MC-PLG-21M8	
		Pg 21x2 HC	ZP-MC16B-2-SM21CAL	\$007sz:	1.175	ZP-MC-PLG-21M8	
		Pg 29x2 HC	ZP-MC16B-2-SM29CAL	\$,007s]:	1.157	ZP-MC-PLG-29M8	
	Bulkhead Base (Single Lever)		N/A	ZP-MC16B-2-SBHM	\$07su:	0.262	N/A
	Bulkhead w/Cover (Single Lever)		N/A	ZP-MC16B-2-SBHC	\$07ss:	0.448	N/A
	Bulkhead w/Automatic Cover (Single Lever)		N/A	ZP-MC16B-2-SBHCA	\$,007st:	0.613	N/A
	Coupler (2 Pegs)		Pg 21	ZP-MC16B-2-SCP21M	\$07sv:	0.410	ZP-MC-PLG-21M8
	Cover (Single Lever)		N/A	ZP-MC16B-2-SCVLM	\$07sx:	0.224	N/A
	Cover (2 Pegs)		N/A	ZP-MC16B-2-SCVPM	\$07sy:	0.119	N/A
Double Lever / 4 Pegs	Top Entry Hood (4 Pegs)	Pg 21	ZP-MC16B-2-DTE21M	\$-07si:	0.284	ZP-MC-PLG-21M8	
		Pg 21 HC	ZP-MC16B-2-DTE21ML	\$07sk:	0.493	ZP-MC-PLG-21M8	
		Pg 29 HC	ZP-MC16B-2-DTE29ML	\$-07sl:	0.474	ZP-MC-PLG-29M8	
	Top Double Entry Hood (4 Pegs)	Pg 16x2 HC	ZP-MC16B-2-DTE16M2	\$07sh:	0.560	ZP-MC-PLG-16M8	
		Pg 21x2 HC	ZP-MC16B-2-DTE21M2	\$-07sj:	0.547	ZP-MC-PLG-21M8	
	Side Entry Hood (4 Pegs)	Pg 21	ZP-MC16B-2-DSE21M	\$07sb:	0.324	ZP-MC-PLG-21M8	
		Pg 21 HC	ZP-MC16B-2-DSE21ML	\$07sc:	0.513	ZP-MC-PLG-21M8	
		Pg 29 HC	ZP-MC16B-2-DSE29ML	\$07sd:	0.513	ZP-MC-PLG-29M8	
	Surface Mount Base	Pg 21x2	ZP-MC16B-2-DSM21M	\$07se:	0.674	ZP-MC-PLG-21M8	
		Pg 21x2 HC	ZP-MC16B-2-DSM21ML	\$,07sf:	0.835	ZP-MC-PLG-21M8	
		Pg 29x2 HC	ZP-MC16B-2-DSM29ML	\$07sg:	0.809	ZP-MC-PLG-29M8	
	Bulkhead Base (Double Lever)		N/A	ZP-MC16B-2-DBHM	\$07s5:	0.295	N/A
	Coupler (Double Lever)	Pg 21	ZP-MC16B-2-DCP21M	\$07s6:	0.445	ZP-MC-PLG-21M8	
		Pg 21 HC	ZP-MC16B-2-DCP21ML	\$07s7:	0.668	ZP-MC-PLG-21M8	
		Pg 29 HC	ZP-MC16B-2-DCP29ML	\$07s8:	0.681	ZP-MC-PLG-29M8	
Cover (Double Lever)		N/A	ZP-MC16B-2-DCVLM	\$07s9:	0.271	N/A	
Cover (4 Peg)		N/A	ZP-MC16B-2-DCVPM	\$07sa:	0.116	N/A	

** To convert to NPT, select a Pg to NPT adapter. HC = High Construction

*** Accessories pricing and details can be found in the Accessories section.

Note: There are 2 openings per hood.



STD Series Multi-Wire Connectors

Size 16B



Single Lever
Surface Mount Base



Single Lever Surface
Mount Base HC



Single Lever
Bulkhead Base



Single Lever
Coupler



Single Lever
Cover

Accessories Continued***

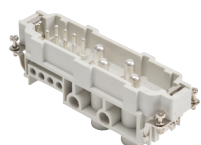
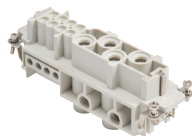
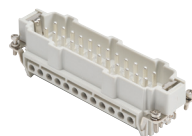
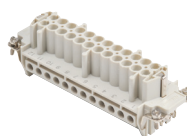
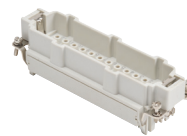
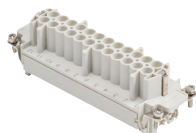
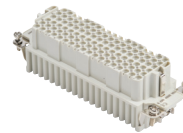
Housing Component		IP66 Cable Glands	IP68 Cable Glands	Pg to NPT Adapter			
				Pg 16 to 1/2"	Pg 21 to 3/4"	Pg 29 to 1"	Pg 29 to 1 1/4"
Single Lever / 2 Pegs	Top Entry Hood (2 Pegs)	ZP-MC-CG-21M5	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
		N/A	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
		N/A	ZP-MC-CG-29M8	N/A	N/A	ZP-MC-A-29100	ZP-MC-A-29114
	Side Entry Hood (2 Pegs)	ZP-MC-CG-21M5	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
		N/A	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
		N/A	ZP-MC-CG-29M8	N/A	N/A	ZP-MC-A-29100	ZP-MC-A-29114
	Surface Mount Base	ZP-MC-CG-21M5	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
		ZP-MC-CG-21M5	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
		ZP-MC-CG-29M5	ZP-MC-CG-29M8	N/A	N/A	ZP-MC-A-29100	ZP-MC-A-29114
	Surface Mount w/Cover	ZP-MC-CG-21M5	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
		ZP-MC-CG-21M5	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
		ZP-MC-CG-29M5	ZP-MC-CG-29M8	N/A	N/A	ZP-MC-A-29100	ZP-MC-A-29114
	Surface Mount w/Automatic Cover	ZP-MC-CG-21M5	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
		ZP-MC-CG-21M5	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
		ZP-MC-CG-29M5	ZP-MC-CG-29M8	N/A	N/A	ZP-MC-A-29100	ZP-MC-A-29114
	Bulkhead Base (Single Lever)	N/A	N/A	N/A	N/A	N/A	N/A
	Bulkhead w/Cover (Single Lever)	N/A	N/A	N/A	N/A	N/A	N/A
	Bulkhead w/Automatic Cover (Single Lever)	N/A	N/A	N/A	N/A	N/A	N/A
	Coupler (2 Pegs)	ZP-MC-CG-21M5	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
	Cover (Single Lever)	N/A	N/A	N/A	N/A	N/A	N/A
	Cover (2 Pegs)	N/A	N/A	N/A	N/A	N/A	N/A
Double Lever / 4 Pegs	Top Entry Hood (4 Pegs)	ZP-MC-CG-21M5	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
		N/A	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
		N/A	ZP-MC-CG-29M8	N/A	N/A	ZP-MC-A-29100	ZP-MC-A-29114
	Top Double Entry Hood (4 Pegs)	N/A	ZP-MC-CG-16M8	ZP-MC-A-16012	N/A	N/A	N/A
		N/A	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
		ZP-MC-CG-21M5	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
	Side Entry Hood (4 Pegs)	N/A	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
		N/A	ZP-MC-CG-29M8	N/A	N/A	ZP-MC-A-29100	ZP-MC-A-29114
		ZP-MC-CG-21M5	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
	Surface Mount Base	N/A	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
		N/A	ZP-MC-CG-29M8	N/A	N/A	ZP-MC-A-29100	ZP-MC-A-29114
		N/A	N/A	N/A	N/A	N/A	N/A
	Bulkhead Base (Double Lever)	N/A	N/A	N/A	N/A	N/A	N/A
	Coupler (Double Lever)	ZP-MC-CG-21M5	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
		N/A	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
		N/A	ZP-MC-CG-29M8	N/A	N/A	ZP-MC-A-29100	ZP-MC-A-29114
	Cover (Double Lever)	N/A	N/A	N/A	N/A	N/A	N/A
	Cover (4 Pegs)	N/A	N/A	N/A	N/A	N/A	N/A

*** Accessories pricing and details can be found in the Accessories section.



STD Series Multi-Wire Connectors

Size 24B

**ZP-MC24B-1-MS048****ZP-MC24B-1-FS048****ZP-MC24B-1-MS024****ZP-MC24B-1-FS024****ZP-MC24B-1-MC024****ZP-MC24B-1-FC024****ZP-MC24B-1-MC064****ZP-MC24B-1-FC064****ZP-MC24B-1-MC108****ZP-MC24B-1-FC108**

Inserts						
Insert Type	No. of Poles	8+4+PE		24+PE		64+PE
	Rated Voltage AC/DC	600 Volts		600 Volts		600 Volts
	Max. Rated Current	4 x 80 Amps / 8 x 16 Amps		16 Amps		10 Amps
	Termination Type	Screw Terminals		Screw Terminals	Crimp Contacts*	Crimp Contacts*
Male	Part Number	<u>ZP-MC24B-1-MS048</u>	<u>ZP-MC24B-1-MS024</u>	<u>ZP-MC24B-1-MC024</u>	<u>ZP-MC24B-1-MC064</u>	<u>ZP-MC24B-1-MC108</u>
	Price	\$;07t_:	\$;:07t[:	\$;07ty:	\$;07tz:	\$;:07tj:
	Contact Size	N/A	N/A	<u>ZP-MC-CC-M16A-XX*</u>	<u>ZP-MC-CC-M10A-XX*</u>	<u>ZP-MC-CC-M10A-XX*</u>
	Weight [lb]	0.321	0.240	0.152	0.163	0.158
Female	Part Number	<u>ZP-MC24B-1-FS048</u>	<u>ZP-MC24B-1-FS024</u>	<u>ZP-MC24B-1-FC024</u>	<u>ZP-MC24B-1-FC064</u>	<u>ZP-MC24B-1-FC108</u>
	Price	\$;07bx:	\$;07tv:	\$;07ts:	\$;:07tt:	\$;07tu:
	Contact Size	N/A	N/A	<u>ZP-MC-CC-F16A-XX*</u>	<u>ZP-MC-CC-F10A-XX*</u>	<u>ZP-MC-CC-F10A-XX*</u>
	Weight [lb]	0.315	0.253	0.163	0.180	0.174

* Crimp contacts must be purchased separately. The XX represents wire AWG. See Accessories section for complete part numbers.



STD Series Multi-Wire Connectors

Size 24B



**Single Lever
Top Entry Hood**



**Single Lever
Top Entry Hood
High Capacity**



**Single Lever
Side Entry
Hood**



**Single Lever Side
Entry Hood High
Capacity**



**Single Lever
Surface Mount Base**

Hoods, Bases, Couplers and Covers

Accessories***

Housing Component		Threading Opening**	Part Number	Price	Weight	Plugs with Gasket
Single Lever / 2 Pegs	Top Entry Hood (Single Lever)	Pg 21	ZP-MC24B-2-STE21M	\$07ue:	0.432	ZP-MC-PLG-21M8
		Pg 21 HC	ZP-MC24B-2-STE21ML	\$;07uf:	0.599	ZP-MC-PLG-21M8
		Pg 29 HC	ZP-MC24B-2-STE29ML	\$07ug:	0.601	ZP-MC-PLG-29M8
	Side Entry Hood (Single Lever)	Pg 21	ZP-MC24B-2-SSE21M	\$07u4:	0.434	ZP-MC-PLG-21M8
		Pg 21 HC	ZP-MC24B-2-SSE21ML	\$07u5:	0.599	ZP-MC-PLG-21M8
		Pg 29 HC	ZP-MC24B-2-SSE29ML	\$07u6:	0.573	ZP-MC-PLG-29M8
	Surface Mount Base (2 Peg)	Pg 21x2	ZP-MC24B-2-SSM21M	\$07ua:	0.709	ZP-MC-PLG-21M8
		Pg 21x2 HC	ZP-MC24B-2-SSM21ML	\$07ub:	0.919	ZP-MC-PLG-21M8
		Pg 29x2 HC	ZP-MC24B-2-SSM29ML	\$25.00	0.901	ZP-MC-PLG-29M8
	Surface Mount (Single Lever w/Cover)	Pg 21x2	ZP-MC24B-2-SSM21C	\$07u7:	0.924	ZP-MC-PLG-21M8
		Pg 21x2 HC	ZP-MC24B-2-SSM21CL	\$07u9:	1.204	ZP-MC-PLG-21M8
		Pg 29x2 HC	ZP-MC24B-2-SSM29CL	\$07uc:	1.118	ZP-MC-PLG-29M8
	Surface Mount w/Automatic Cover	Pg 21x2	ZP-MC24B-2-SSM21CA	\$007u8:	0.972	ZP-MC-PLG-21M8
		Pg 21x2 HC	ZP-MC24B-2-SM21CAL	\$007u2:	1.358	ZP-MC-PLG-21M8
		Pg 29x2 HC	ZP-MC24B-2-SM29CAL	\$007u3:	1.354	ZP-MC-PLG-29M8
	Bulkhead Base (Single Lever)	N/A	ZP-MC24B-2-SBHM	\$;07t?:	0.310	N/A
	Bulkhead w/Cover	N/A	ZP-MC24B-2-SBHC	\$;07t#:	0.525	N/A
	Bulkhead w/Automatic Cover	N/A	ZP-MC24B-2-SBHCA	\$;007t!:	0.697	N/A
	Coupler (2 Peg)	Pg 21	ZP-MC24B-2-SCP21M	\$;07t.:	0.566	ZP-MC-PLG-21M8
	Cover (Single Lever)	N/A	ZP-MC24B-2-SCVLM	\$07u0:	0.255	N/A
	Cover (2 Peg)	N/A	ZP-MC24B-2-SCVPM	\$07u1:	0.157	N/A
Double Lever / 4 Peg	Top Entry Hood (Double Lever)	Pg 21	ZP-MC24B-2-DTE21M	\$;07tk:	0.447	ZP-MC-PLG-21M8
		Pg 29	ZP-MC24B-2-DTE29M	\$;07to:	0.385	ZP-MC-PLG-29M8
		Pg 21 HC	ZP-MC24B-2-DTE21ML	\$;07tn:	0.612	ZP-MC-PLG-21M8
		Pg 29 HC	ZP-MC24B-2-DTE29ML	\$;07tq:	0.560	ZP-MC-PLG-29M8
	Top Double Entry Hood (4 Peg)	Pg 21x2	ZP-MC24B-2-DTE21M2	\$;07tl:	0.664	ZP-MC-PLG-21M8
		Pg 29x2	ZP-MC24B-2-DTE29M2	\$;07tp:	0.648	ZP-MC-PLG-29M8
	Side Entry Hood (Double Lever)	Pg 21	ZP-MC24B-2-DSE21M	\$;07td:	0.427	ZP-MC-PLG-21M8
		Pg 29	ZP-MC24B-2-DSE29M	\$;07tf:	0.388	ZP-MC-PLG-29M8
		Pg 21 HC	ZP-MC24B-2-DSE21ML	\$;07te:	0.560	ZP-MC-PLG-21M8
		Pg 29 HC	ZP-MC24B-2-DSE29ML	\$;07tg:	0.659	ZP-MC-PLG-29M8
	Surface Mount Base (4 Peg)	Pg 21x2	ZP-MC24B-2-DSM21M	\$;07th:	0.747	ZP-MC-PLG-21M8
		Pg 21x2 HC	ZP-MC24B-2-DSM21ML	\$;07ti:	0.930	ZP-MC-PLG-21M8
		Pg 29x2 HC	ZP-MC24B-2-DSM29ML	\$;07tj:	0.901	ZP-MC-PLG-29M8
	Bulkhead Base (Double Lever)	N/A	ZP-MC24B-2-DBHM	\$;07t7:	0.343	N/A
	Coupler (Double Lever)	Pg 21	ZP-MC24B-2-DCP21M	\$;07t8:	0.599	ZP-MC-PLG-21M8
		Pg 21 HC	ZP-MC24B-2-DCP21ML	\$;07t9:	0.813	ZP-MC-PLG-21M8
		Pg 29 HC	ZP-MC24B-2-DCP29ML	\$;07ta:	0.782	ZP-MC-PLG-29M8
	Cover (Double Lever)	N/A	ZP-MC24B-2-DCVLM	\$;07tb:	0.291	N/A
	Cover (4 Peg)	N/A	ZP-MC24B-2-DCVPM	\$;07tc:	0.152	N/A

** To convert to NPT, select a Pg to NPT adapter. HC = High Construction

*** Accessories pricing and details can be found in the Accessories section.



STD Series Multi-Wire Connectors

Size 24B



**Double Lever
Surface Mount Base**



**Double Lever
Surface Mount Base
High Capacity**



**Double Lever
Bulkhead Base**



**Double Lever
Coupler**



**Double Lever
Coupler High
Capacity**



**Double Lever
Cover 2 Lever**



**Double Lever
Cover 4 Peg**

Accessories Continued***

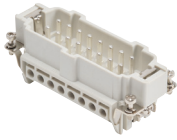
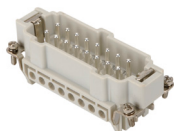
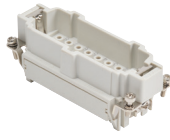
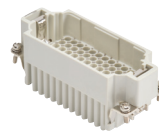
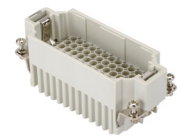
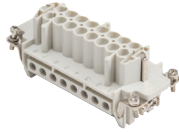
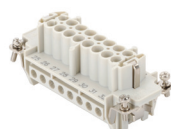
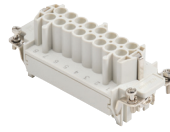
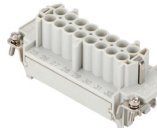
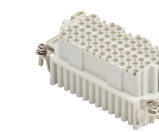
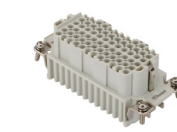
Housing Component		IP66 Cable Glands	IP68 Cable Glands	Pg to NPT Adapter		
				Pg 21 to 3/4"	Pg 29 to 1"	Pg 29 to 1 1/4"
Single Lever / 2 Pegs	Top Entry Hood (Single Lever)	ZP-MC-CG-21M5	ZP-MC-CG-21M8	ZP-MC-A-21034	N/A	N/A
		N/A	ZP-MC-CG-21M8	ZP-MC-A-21034	N/A	N/A
		N/A	ZP-MC-CG-29M8	N/A	ZP-MC-A-29100	ZP-MC-A-29114
	Side Entry Hood (Single Lever)	ZP-MC-CG-21M5	ZP-MC-CG-21M8	ZP-MC-A-21034	N/A	N/A
		N/A	ZP-MC-CG-21M8	ZP-MC-A-21034	N/A	N/A
		N/A	ZP-MC-CG-29M8	N/A	ZP-MC-A-29100	ZP-MC-A-29114
	Surface Mount Base (2 Peg)	ZP-MC-CG-21M5	ZP-MC-CG-21M8	ZP-MC-A-21034	N/A	N/A
		ZP-MC-CG-21M5	ZP-MC-CG-21M8	ZP-MC-A-21034	N/A	N/A
		ZP-MC-CG-29M5	ZP-MC-CG-29M8	N/A	ZP-MC-A-29100	ZP-MC-A-29114
	Surface Mount (Single Lever w/Cover)	ZP-MC-CG-21M5	ZP-MC-CG-21M8	ZP-MC-A-21034	N/A	N/A
		ZP-MC-CG-21M5	ZP-MC-CG-21M8	ZP-MC-A-21034	N/A	N/A
		ZP-MC-CG-29M5	ZP-MC-CG-29M8	N/A	ZP-MC-A-29100	ZP-MC-A-29114
	Surface Mount w/Automatic Cover	ZP-MC-CG-21M5	ZP-MC-CG-21M8	ZP-MC-A-21034	N/A	N/A
		ZP-MC-CG-21M5	ZP-MC-CG-21M8	ZP-MC-A-21034	N/A	N/A
		ZP-MC-CG-29M5	ZP-MC-CG-29M8	N/A	ZP-MC-A-29100	ZP-MC-A-29114
	Bulkhead Base (Single Lever)	N/A	N/A	N/A	N/A	N/A
	Bulkhead w/Cover	N/A	N/A	N/A	N/A	N/A
	Bulkhead w/Automatic Cover	N/A	N/A	N/A	N/A	N/A
	Coupler (2 Peg)	ZP-MC-CG-21M5	ZP-MC-CG-21M8	ZP-MC-A-21034	N/A	N/A
	Cover (Single Lever)	N/A	N/A	N/A	N/A	N/A
	Cover (2 Peg)	N/A	N/A	N/A	N/A	N/A
Double Lever / 4 Pegs	Top Entry Hood (Double Lever)	ZP-MC-CG-21M5	ZP-MC-CG-21M8	ZP-MC-A-21034	N/A	N/A
		ZP-MC-CG-29M5	ZP-MC-CG-29M8	N/A	ZP-MC-A-29100	ZP-MC-A-29114
		N/A	ZP-MC-CG-21M8	ZP-MC-A-21034	N/A	N/A
		N/A	ZP-MC-CG-29M8	N/A	ZP-MC-A-29100	ZP-MC-A-29114
	Top Double Entry Hood (4 Peg)	ZP-MC-CG-21M5	ZP-MC-CG-21M8	ZP-MC-A-21034	N/A	N/A
		ZP-MC-CG-29M5	ZP-MC-CG-29M8	N/A	ZP-MC-A-29100	ZP-MC-A-29114
	Side Entry Hood (Double Lever)	ZP-MC-CG-21M5	ZP-MC-CG-21M8	ZP-MC-A-21034	N/A	N/A
		ZP-MC-CG-29M5	ZP-MC-CG-29M8	N/A	ZP-MC-A-29100	ZP-MC-A-29114
		N/A	ZP-MC-CG-21M8	ZP-MC-A-21034	N/A	N/A
		N/A	ZP-MC-CG-29M8	N/A	ZP-MC-A-29100	ZP-MC-A-29114
	Surface Mount Base (4 Peg)	ZP-MC-CG-21M5	ZP-MC-CG-21M8	ZP-MC-A-21034	N/A	N/A
		N/A	ZP-MC-CG-21M8	ZP-MC-A-21034	N/A	N/A
		N/A	ZP-MC-CG-29M8	N/A	ZP-MC-A-29100	ZP-MC-A-29114
	Bulkhead Base (Double Lever)	N/A	N/A	N/A	N/A	N/A
	Coupler (Double Lever)	ZP-MC-CG-21M5	ZP-MC-CG-21M8	ZP-MC-A-21034	N/A	N/A
		N/A	ZP-MC-CG-21M8	ZP-MC-A-21034	N/A	N/A
		N/A	ZP-MC-CG-29M8	N/A	ZP-MC-A-29100	ZP-MC-A-29114
	Cover (Double Lever)	N/A	N/A	N/A	N/A	N/A
	Cover (4 Peg)	N/A	N/A	N/A	N/A	N/A

*** Accessories pricing and details can be found in the Accessories section.



STD Series Multi-Wire Connectors

Size 32B

**ZP-MC16B-1-MS016****ZP-MC16B-1-MS016-2****ZP-MC16B-1-MC016****ZP-MC16B-1-MC016-2****ZP-MC16B-1-MC072****ZP-MC16B-1-MC072-2****ZP-MC16B-1-FS016****ZP-MC16B-1-FS016-2****ZP-MC16B-1-FC016****ZP-MC16B-1-FC016-2****ZP-MC16B-1-FC072****ZP-MC16B-1-FC072-2**

16 Pole Inserts

Insert Type	No. of Poles	32+PE			
	Rated Voltage AC/DC	600 Volts			
	Max. Rated Current	16 Amps			
	Termination Type	Screw Terminals		Crimp Contacts*	
	Pole Numbering Sequence	1-16	17-32	1-16	17-32
Male	Part Number	<u>ZP-MC16B-1-MS016</u>	<u>ZP-MC16B-1-MS016-2</u>	<u>ZP-MC16B-1-MC016</u>	<u>ZP-MC16B-1-MC016-2</u>
	Price	\$:07j7:	\$:-07j]:	\$:07j3:	\$:-07iy:
	Contact Size	N/A	N/A	<u>ZP-MC-CC-M16A-XX*</u>	
	Weight [lb]	0.180	0.181	0.123	0.126
Female	Part Number	<u>ZP-MC16B-1-FS016</u>	<u>ZP-MC16B-1-FS016-2</u>	<u>ZP-MC16B-1-FC016</u>	<u>ZP-MC16B-1-FC016-2</u>
	Price	\$:07j2:	\$-07ix:	\$07sn:	\$-07iu:
	Contact Size	N/A	N/A	<u>ZP-MC-CC-F16A-XX*</u>	
	Weight [lb]	0.183	0.185	0.125	0.130

*Crimp contacts must be purchased separately. The XX represents wire AWG.

Note: Each Insert is 16 poles. 2 Inserts are required per housing to make 32 poles.

See Accessories section for complete part numbers.

72 Pole Inserts

Insert Type	No. of Poles	144+PE	
	Rated Voltage AC/DC	600 Volts	
	Max. Rated Current	10A	
	Termination Type	Crimp Contacts*	
	Pole Numbering Sequence	1-72	73-144
Male	Part Number	<u>ZP-MC16B-1-MC072</u>	<u>ZP-MC16B-1-MC072-2</u>
	Price	\$:07j5:	\$-07iz:
	Contact Size	<u>ZP-MC-CC-M10A-XX*</u>	
	Weight [lb]	0.125	0.130
Female	Part Number	<u>ZP-MC16B-1-FC072</u>	<u>ZP-MC16B-1-FC072-2</u>
	Price	\$07sp:	\$-07iv:
	Contact Size	<u>ZP-MC-CC-F10A-XX*</u>	
	Weight [lb]	0.136	0.139

*Crimp contacts must be purchased separately. The XX represents wire AWG.

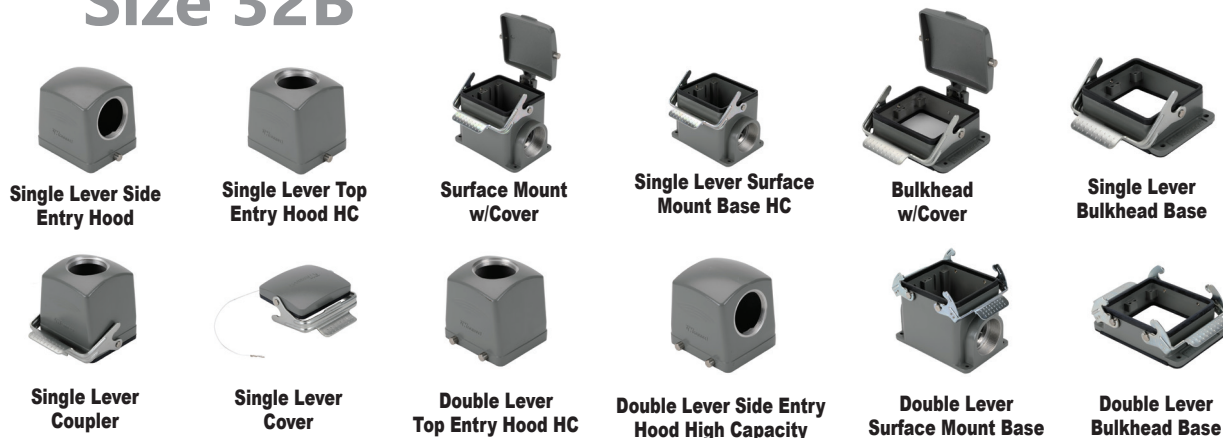
Note: Each Insert is 72 poles. 2 Inserts are required per housing to make 144 poles.

See Accessories section for complete part numbers.



STD Series Multi-Wire Connectors

Size 32B



Hoods, Bases, Couplers and Covers						Accessories***
Housing Component		Threading Opening**	Part Number	Price	Weight	Plugs with Gasket
Single Lever / 2 Pegs	Side Entry Hood (Single Lever)	Pg 36	ZP-MC32B-2-SSE36M	\$,-07i,:	0.809	ZP-MC-PLG-36M8
	Surface Mount Base (2 Peg)	Pg 36x2	ZP-MC32B-2-SSM36M	\$,-07j1:	1.446	ZP-MC-PLG-36M8
	Surface Mount w/Cover	Pg 36x2	ZP-MC32B-2-SSM36C	\$,-07j0:	1.665	ZP-MC-PLG-36M8
	Bulkhead Base (Single Lever)	N/A	ZP-MC32B-2-SBHM	\$,-07i_:	0.503	N/A
	Bulkhead w/Cover	N/A	ZP-MC32B-2-SBHC	\$,-07i[:	0.743	N/A
	Coupler (2 Peg)	Pg 36	ZP-MC32B-2-SCP36M	Retired	1.058	ZP-MC-PLG-36M8
	Cover (Single Lever)	N/A	ZP-MC32B-2-SCVLM	\$,-07il:	0.417	N/A
Double Lever / 4 Pegs	Cover (2 Peg)	N/A	ZP-MC32B-2-SCVPM	\$,-07i?:	0.183	N/A
	Side Entry Hood (Double Lever)	Pg 36	ZP-MC32B-2-DSE36M	\$,-07iq:	0.849	ZP-MC-PLG-36M8
	Surface Mount Base (4 Peg)	Pg 36x2	ZP-MC32B-2-DSM36M	\$,-007is:	1.407	ZP-MC-PLG-36M8
	Bulkhead Base (Double Lever)	N/A	ZP-MC32B-2-DBHM	\$,-07il:	0.549	N/A
	Coupler (Double Lever)	Pg 36	ZP-MC32B-2-DCP36M	Retired	1.065	ZP-MC-PLG-36M8
	Cover (Double Lever)	N/A	ZP-MC32B-2-DCVLM	\$,-07io:	0.426	N/A
	Cover (4 Peg)	N/A	ZP-MC32B-2-DCVPM	\$,-07ip:	0.201	N/A

** To convert to NPT, select a Pg to NPT adapter.

*** Accessories pricing and details can be found in the Accessories section.

Note: There are 2 openings per hood.

Accessories Continued***				
Housing Component		IP66 Cable Glands	IP68 Cable Glands	Pg to NPT Adapter
				Pg 36 to 1 1/4"
Single Lever / 2 Pegs	Top Entry Hood (Single Lever)	ZP-MC-CG-36M5	ZP-MC-CG-36M8	ZP-MC-A-36114
	Side Entry Hood (Single Lever)	ZP-MC-CG-36M5	ZP-MC-CG-36M8	ZP-MC-A-36114
	Surface Mount Base (2 Peg)	ZP-MC-CG-36M5	ZP-MC-CG-36M8	ZP-MC-A-36114
	Surface Mount w/Cover	ZP-MC-CG-36M5	ZP-MC-CG-36M8	ZP-MC-A-36114
	Bulkhead Base (Single Lever)	N/A	N/A	N/A
	Bulkhead w/Cover	N/A	N/A	N/A
	Coupler (2 Peg)	ZP-MC-CG-36M5	ZP-MC-CG-36M8	ZP-MC-A-36114
	Cover (Single Lever)	N/A	N/A	N/A
	Cover (2 Peg)	N/A	N/A	N/A
Double Lever / 4 Pegs	Top Entry Hood (Double Lever)	N/A	ZP-MC-CG-36M8	ZP-MC-A-36114
	Side Entry Hood (Double Lever)	N/A	ZP-MC-CG-36M8	ZP-MC-A-36114
	Surface Mount Base (4 Peg)	ZP-MC-CG-36M5	ZP-MC-CG-36M8	ZP-MC-A-36114
	Bulkhead Base (Double Lever)	N/A	N/A	N/A
	Coupler (Double Lever)	ZP-MC-CG-36M5	ZP-MC-CG-36M8	ZP-MC-A-36114
	Cover (Double Lever)	N/A	N/A	N/A
	Cover (4 Peg)	N/A	N/A	N/A

*** Accessories pricing and details can be found in the Accessories section.



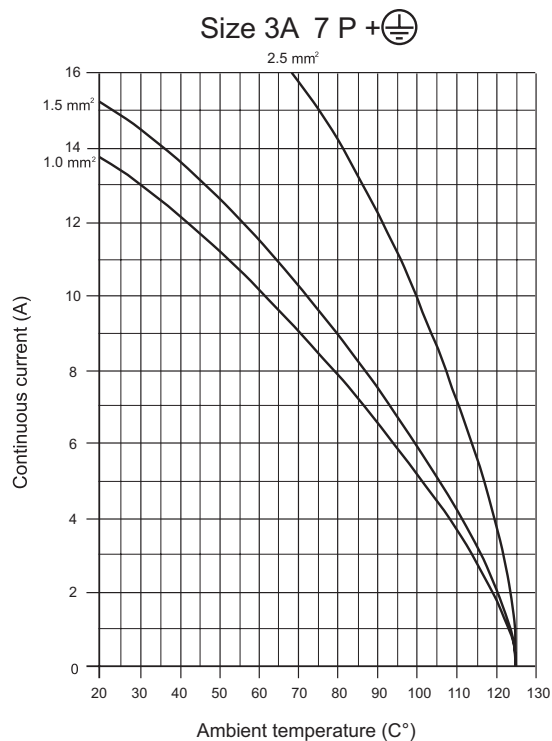
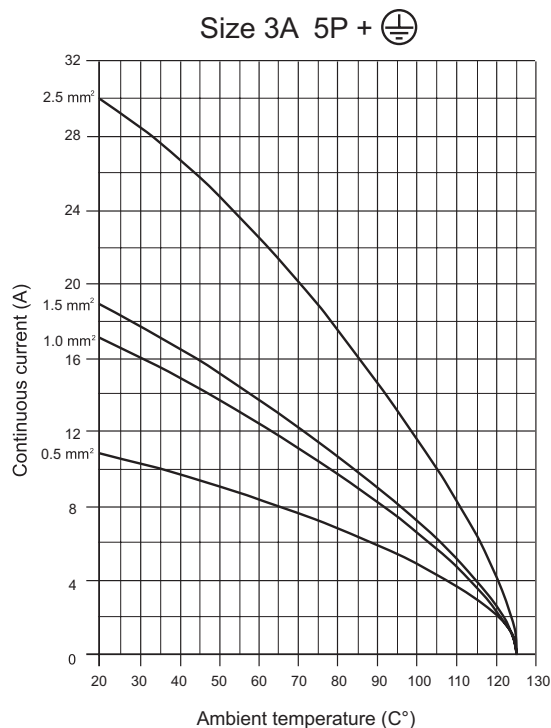
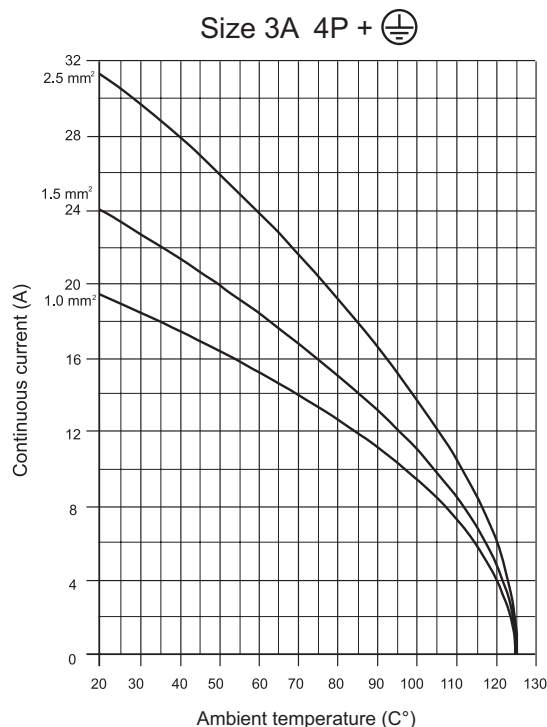
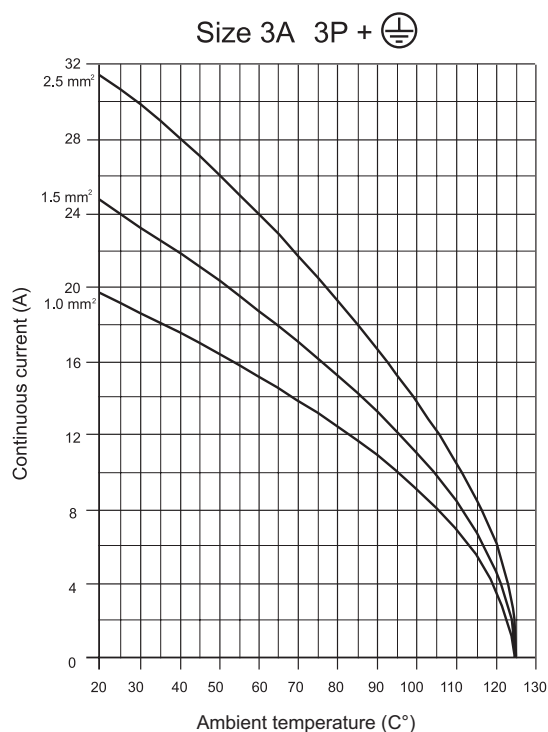
STD Series Multi-Wire Connectors

Electrical Engineering Data - Load Diagrams

Derating diagram According to IEC/EN 60512

These diagrams illustrate the maximum current carrying capacity of components. The illustration follows a curve which shows the current in relation to ambient temperature.

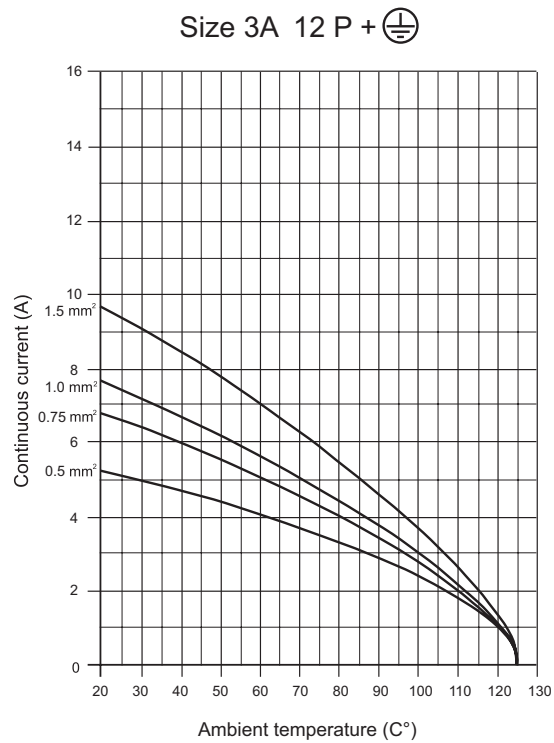
Current carrying capacity is limited by the thermal characteristics of contacts and insulating elements which have an upper temperature limit that should not be exceeded.





STD Series Multi-Wire Connectors

Electrical Engineering Data - Load Diagrams

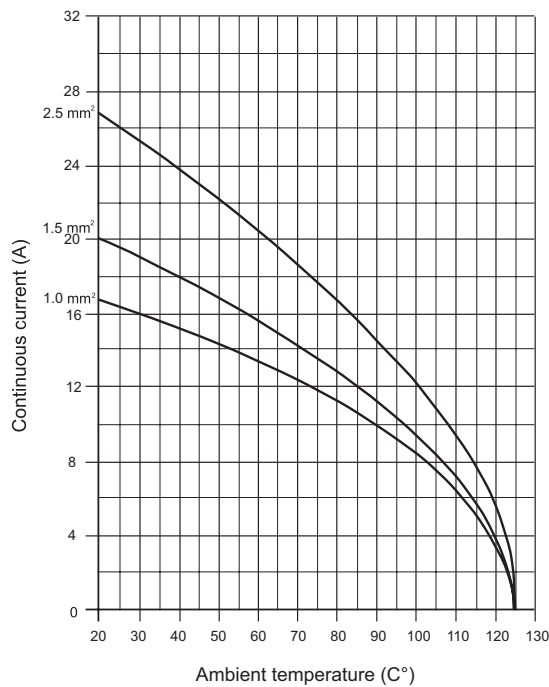




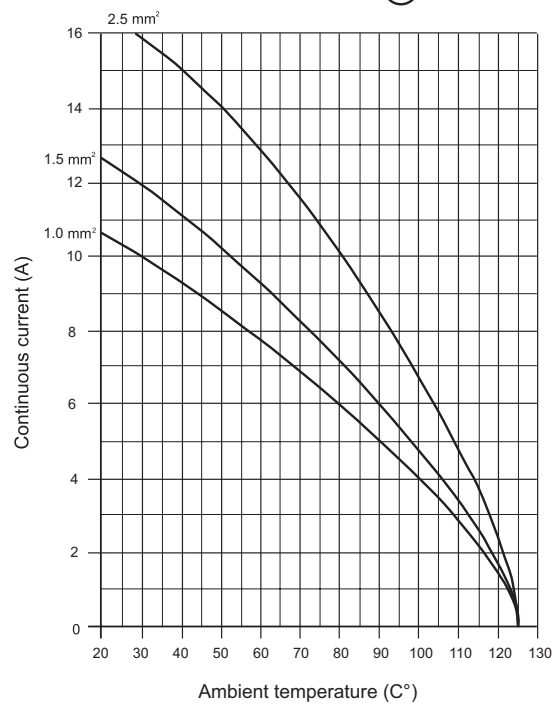
STD Series Multi-Wire Connectors

Electrical Engineering Data - Load Diagrams

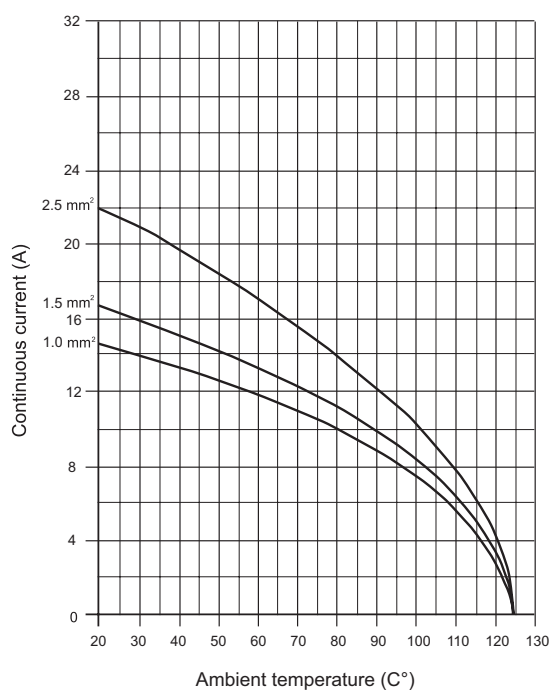
Size 10A 10P +



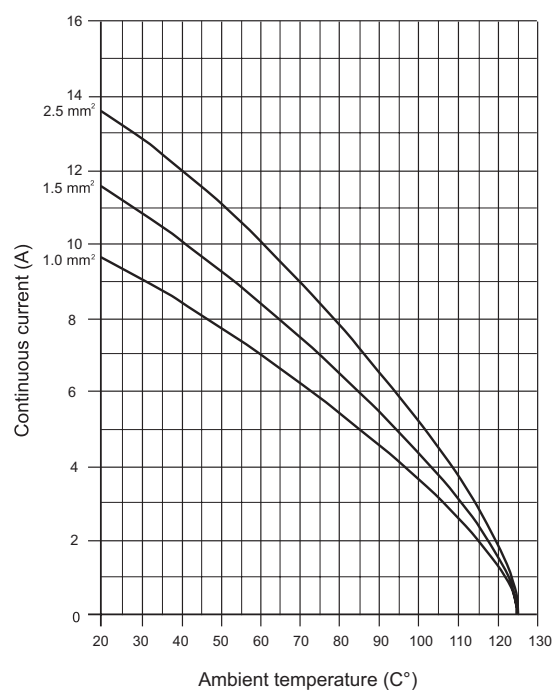
Size 10A 15P +



Size 16A 16P +



Size 16A 25P +

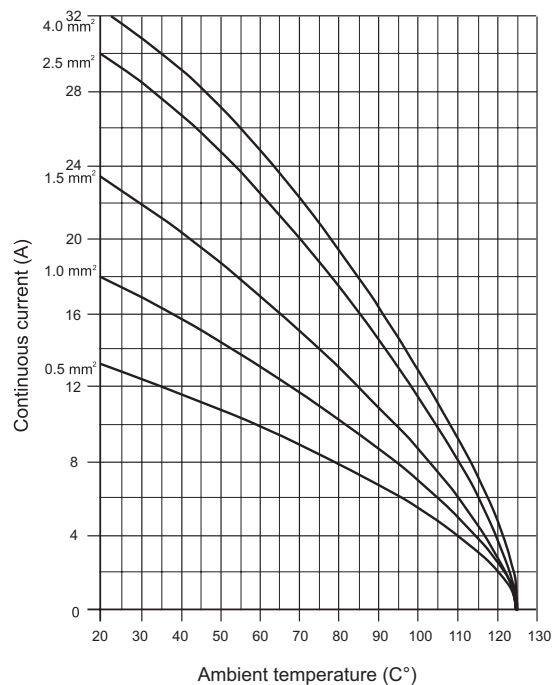




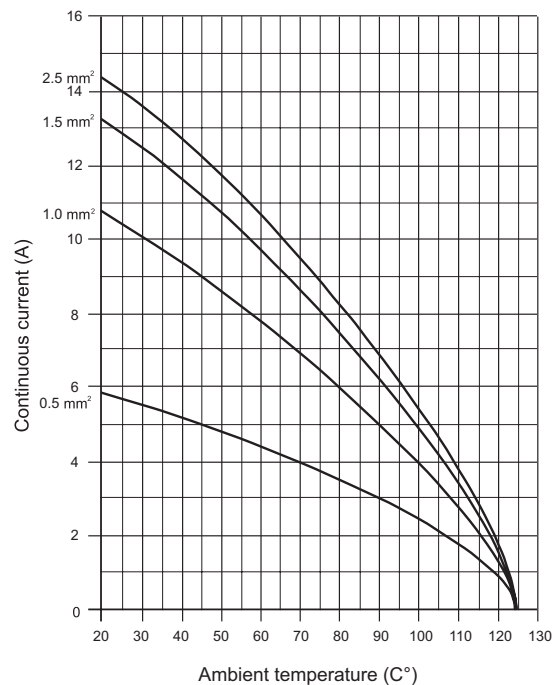
STD Series Multi-Wire Connectors

Electrical Engineering Data - Load Diagrams

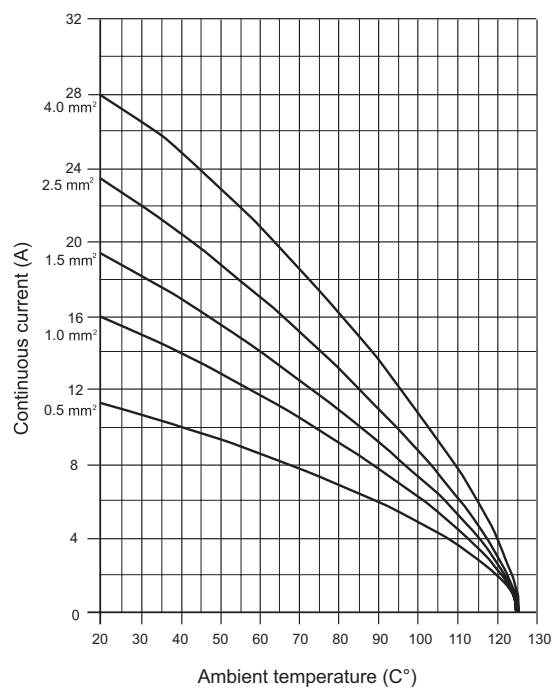
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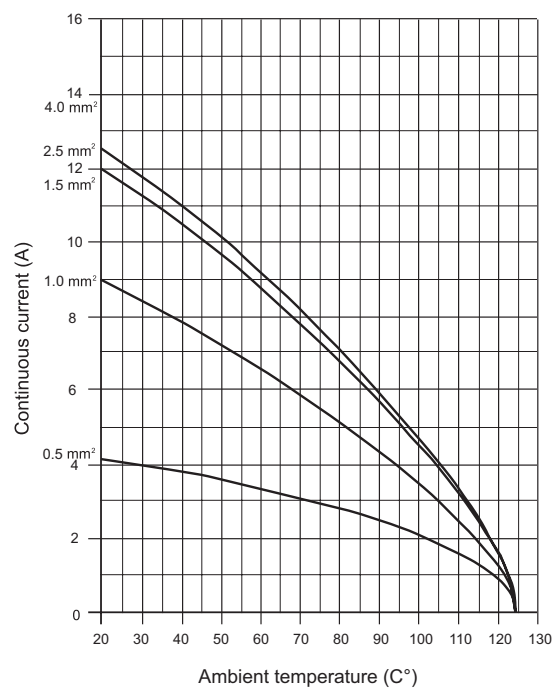
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Size 10B 10P +



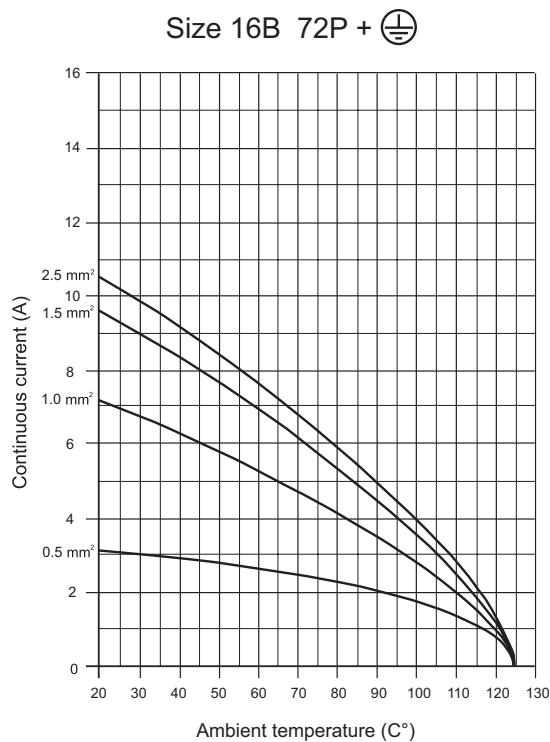
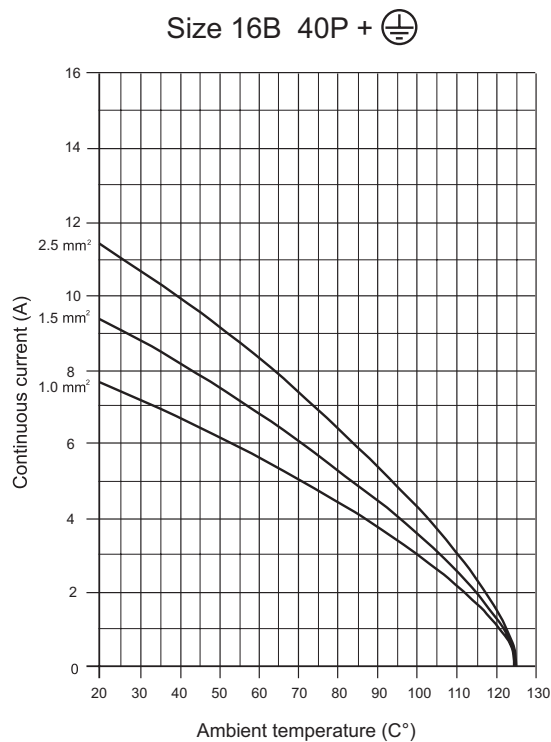
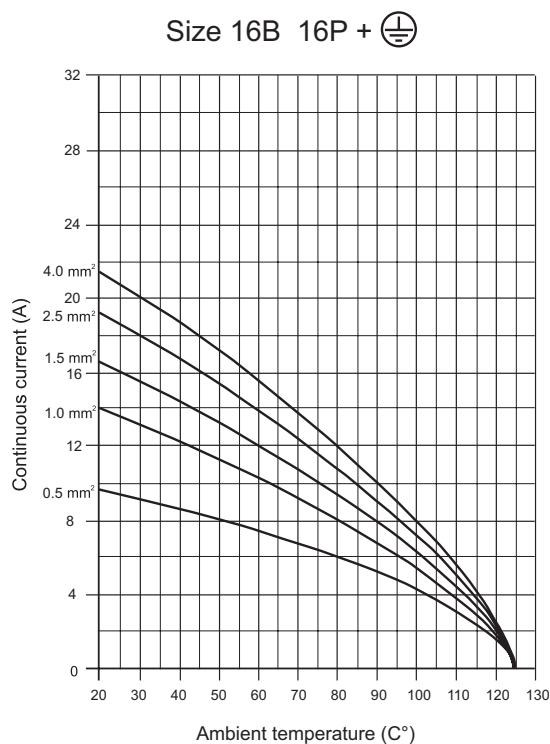
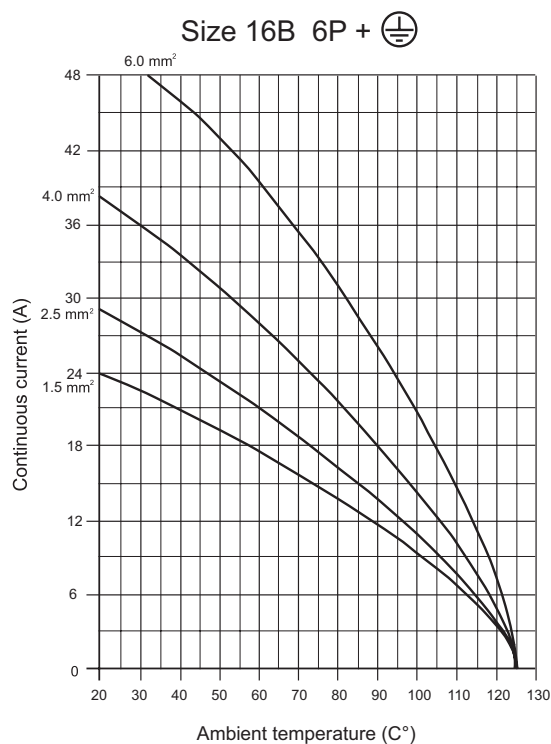
Size 10B 42P +





STD Series Multi-Wire Connectors

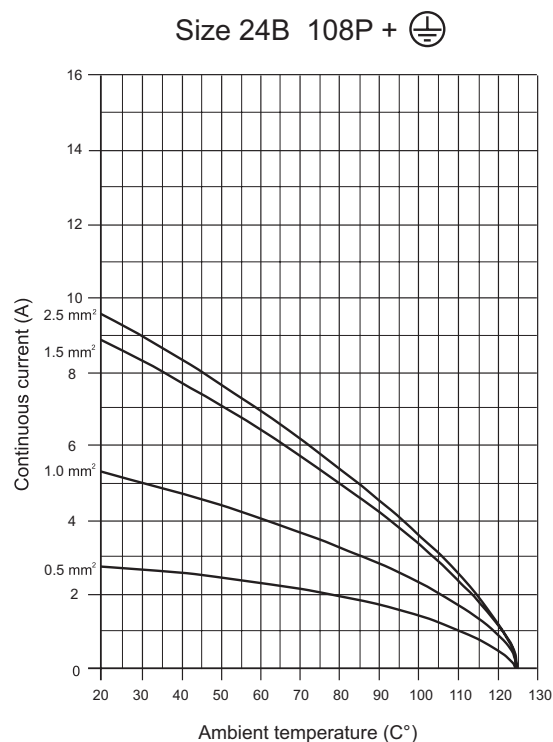
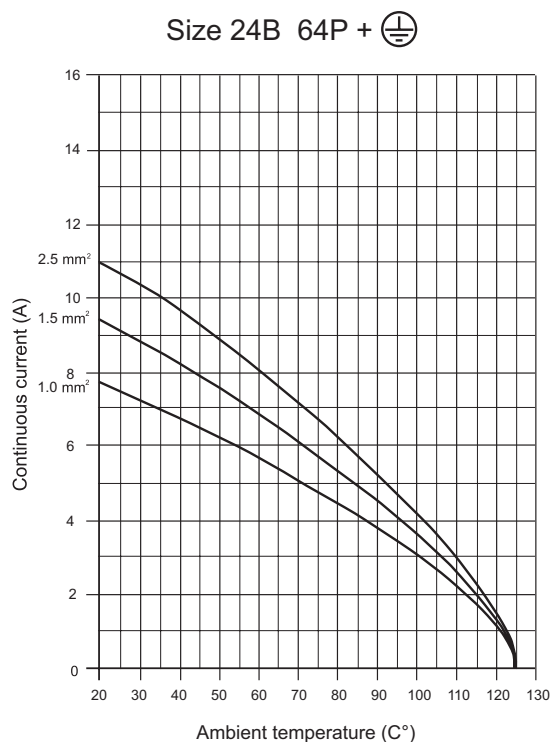
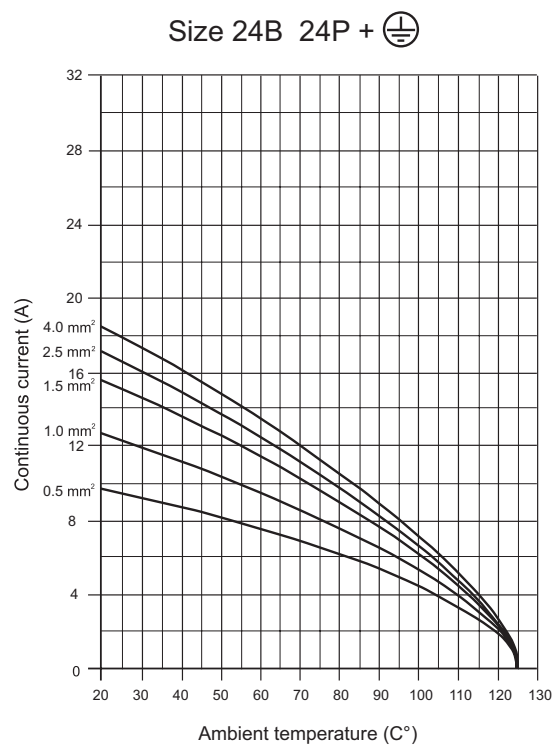
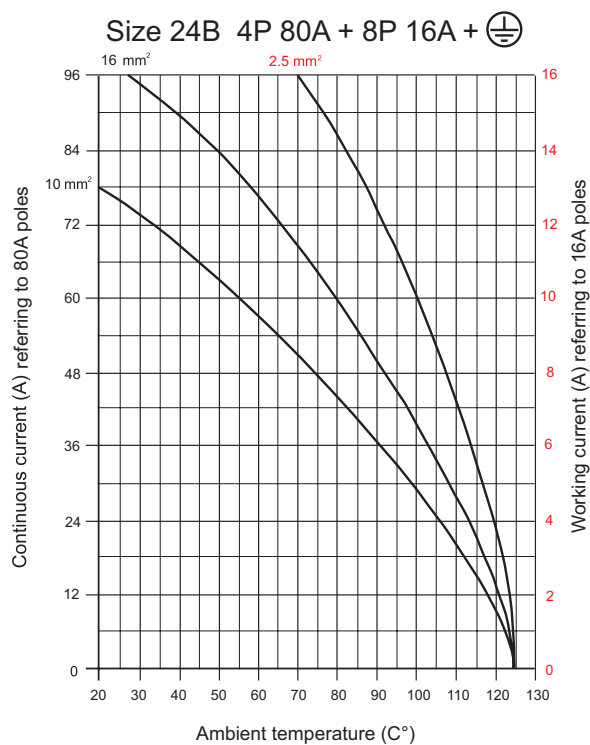
Electrical Engineering Data - Load Diagrams





STD Series Multi-Wire Connectors

Electrical Engineering Data - Load Diagrams

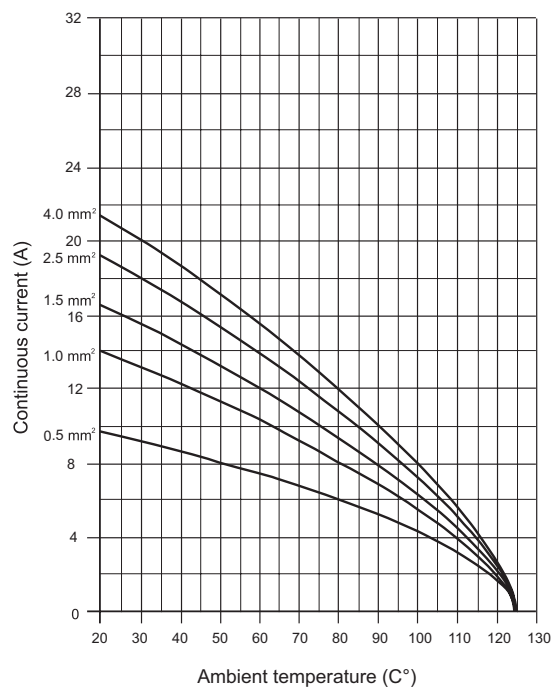




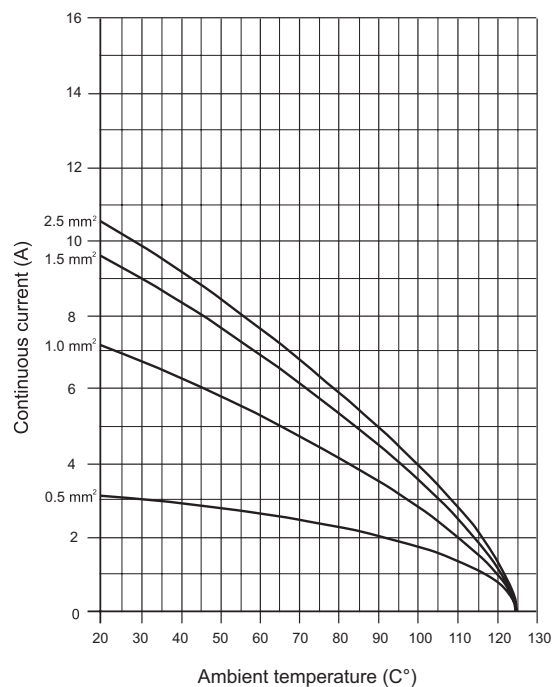
STD Series Multi-Wire Connectors

Electrical Engineering Data - Load Diagrams

Size 32B 32P +



Size 32B 144P +





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	\$07q2:	0.150	ZP-MC-CC-F10A-22	\$07pk:	0.150	0.14-0.37 [26-22]	8 mm [0.32 in]
	ZP-MC-CC-M10A-20	\$07q0:	0.150	ZP-MC-CC-F10A-20	\$-07pi:	0.140	0.5 [20]	
	ZP-MC-CC-M10A-18	\$07p?:	0.150	ZP-MC-CC-F10A-18	\$07pg:	0.150	0.75 [18]	
	ZP-MC-CC-M10A-16	\$07p#:	0.150	ZP-MC-CC-F10A-16	\$07pe:	0.140	1.5 [16]	
	ZP-MC-CC-M10A-14	\$-07pj:	0.140	ZP-MC-CC-F10A-14	\$07pc:	0.150	2.5 [14]	
Gold-Plated	ZP-MC-CC-M10A-22G	\$007q3:	0.157	ZP-MC-CC-F10A-22G	\$-007pl:	0.159	0.14-0.37 [26-22]	
	ZP-MC-CC-M10A-20G	\$007q1:	0.150	ZP-MC-CC-F10A-20G	\$-007pj:	0.157	0.5 [20]	
	ZP-MC-CC-M10A-18G	\$;007p,::	0.146	ZP-MC-CC-F10A-18G	\$007ph:	0.150	0.75 [18]	
	ZP-MC-CC-M10A-16G	\$;007p!:	0.146	ZP-MC-CC-F10A-16G	\$;007pf:	0.150	1.5 [16]	
	ZP-MC-CC-M10A-14G	\$007p_:	0.146	ZP-MC-CC-F10A-14G	\$007pd:	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	\$07qe:	0.280	ZP-MC-CC-F16A-22	\$07pz:	0.280	0.14-0.37 [26-22]	7.5 mm [0.29 in]
	ZP-MC-CC-M16A-20	\$07qc:	0.360	ZP-MC-CC-F16A-20	\$07px:	0.350	0.5 [20]	
	ZP-MC-CC-M16A-18	\$07qa:	0.270	ZP-MC-CC-F16A-18	\$07pu:	0.290	0.75 [18]	
	ZP-MC-CC-M16A-16	\$07q8:	0.350	ZP-MC-CC-F16A-16	\$07ps:	0.350	1.5 [16]	
	ZP-MC-CC-M16A-14	\$07q6:	0.270	ZP-MC-CC-F16A-14	\$07pp:	0.280	2.5 [14]	
	ZP-MC-CC-M16A-12	\$07q4:	0.350	ZP-MC-CC-F16A-12	\$07pn:	0.350	4.0 [12]	
Gold-Plated	ZP-MC-CC-M16A-22G	\$;007qf:	0.280	ZP-MC-CC-F16A-22G	\$;007pj:	0.322	0.14-0.37 [26-22]	
	ZP-MC-CC-M16A-20G	\$007qd:	0.276	ZP-MC-CC-F16A-20G	\$007py:	0.318	0.5 [20]	
	ZP-MC-CC-M16A-18G	\$007qb:	0.273	ZP-MC-CC-F16A-18G	\$007pv:	0.315	0.75 [18]	
	ZP-MC-CC-M16A-16G	\$007q9:	0.273	ZP-MC-CC-F16A-16G	\$;007pt:	0.320	1.5 [16]	
	ZP-MC-CC-M16A-14G	\$007q7:	0.276	ZP-MC-CC-F16A-14G	\$007pq:	0.320	2.5 [14]	
	ZP-MC-CC-M16A-12G	\$007q5:	0.273	ZP-MC-CC-F16A-12G	\$007po:	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	\$007qg:	1	Crimping tool w/die set and locator	1.593
ZP-MC-CT2	\$007qh:		Crimping tool w/die set only, no locator	0.814
ZP-MC-RT1	\$007s3:		Removal tool for 10A contacts	0.081
ZP-MC-RT2	\$007s4:		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	\$-4iu:	1	Plastic	7-12 [0.275-0.472]	Pg 11	0.019
ZP-MC-CG-11M5	\$-4is:		Metal	7-12 [0.275-0.472]	Pg 11	0.030
ZP-MC-CG-13M5	\$-4iv:			7-12 [0.275-0.472]	Pg 13.5	0.031
ZP-MC-CG-16M5	\$-4iy:			7-14.5 [0.275-0.570]	Pg 16	0.041
ZP-MC-CG-21M5	\$-4ij:			9.5-18.5 [0.374-0.728]	Pg 21	0.070
ZP-MC-CG-29M5	\$-4i_:			17.5-26.5 [0.688-1.043]	Pg 29	0.125
ZP-MC-CG-36M5	\$-04il:			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	\$,-04it:	10 per pack	Metal	Pg 11	4-10 [0.157-0.393]	0.451
ZP-MC-CG-13M8	\$-04ix:			Pg 13.5	5-12 [0.197-0.472]	0.780
ZP-MC-CG-16M8	\$-04iz:			Pg 16	8-14 [0.314-0.551]	0.881
ZP-MC-CG-21M8	\$,-04ij:	5 per pack		Pg 21	11-18 [0.433-0.708]	0.727
ZP-MC-CG-29M8	\$-004i#:			Pg 29	16-25 [0.629-0.984]	1.466
ZP-MC-CG-36M8	\$-004i?:			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	\$;04[7:	10 per pack	Metal	Pg 11	0.169
ZP-MC-PLG-13M8	\$;04[8:			Pg 13.5	0.192
ZP-MC-PLG-16M8	\$;04[9:			Pg 16	0.253
ZP-MC-PLG-21M8	\$;04[a:			Pg 21	0.478
ZP-MC-PLG-29M8	\$;04[b:	5 per pack		Pg 29	0.218
ZP-MC-PLG-36M8	\$-07ik:			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	\$04bq:	1	Metal	Pg 11	3/8"	0.044
ZP-MC-A-11012	\$04bp:			Pg 11	1/2"	0.072
ZP-MC-A-13012	\$4bs:			Pg 13.5	1/2"	0.106
ZP-MC-A-16012	\$;04bt:			Pg 16	1/2"	0.070
ZP-MC-A-21034	\$04bu:			Pg 21	3/4"	0.101
ZP-MC-A-29100	\$04bv:			Pg 29	1"	0.194
ZP-MC-A-29114	\$04bx:			Pg 29	1 1/4"	0.238
ZP-MC-A-36114	\$04by:			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	\$;07q[:	10 per pack	3A	For bulkhead housings	Nitrile Butadiene Rubber (NBR)	0.085
ZP-MC10A-GSK	\$07q#:		10A			0.082
ZP-MC16A-GSK	\$07q?:		16A			0.079
ZP-MC06B-GSK	\$07q_:		6B			0.097
ZP-MC10B-GSK	\$;07q!:		10B			0.105
ZP-MC16B-GSK	\$;07q.::		16B			0.127
ZP-MC24B-GSK	\$07s0:		24B			0.141
ZP-MC32B-GSK	\$07s1:		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>	\$7qx:	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>	\$7qz:		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>	\$7qv:		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>	\$7qy:		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>	\$07qu:	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>	\$07qs:		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>	\$;07qt:		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>	\$;7qj:	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>	\$7qo:		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>	\$7qp:		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>	\$07qq:		ZIPport bulkhead cutout blank cover plate, thermoplastic, RAL 7044 gray. For use with ZIPport size 24B bulkhead cutouts. Gasket included.	0.0573



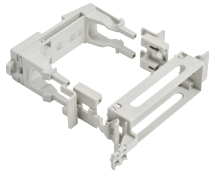
Bulkhead Cutout Blank Covers



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

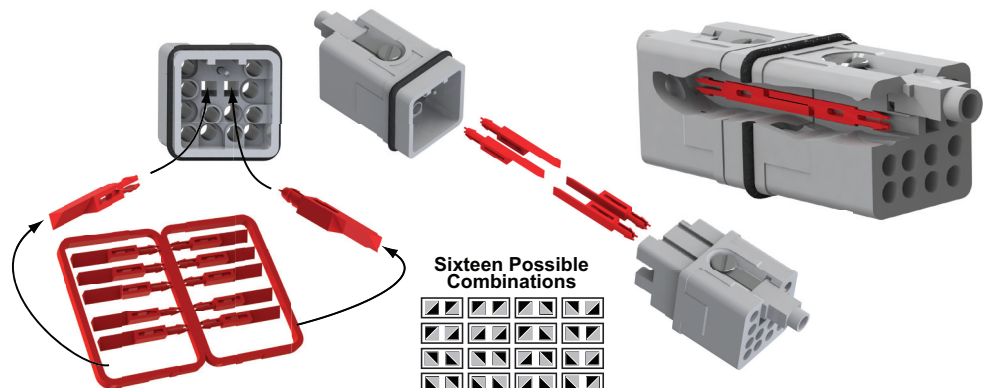
DIN Rail Mounting Kits				
Part Number	Price	Qty	Description	Weight [lb]
<u>ZP-MC06B-DKIT</u>	\$07qn:	1	For size 6B inserts	0.374
<u>ZP-MC10B-DKIT</u>	\$-07qi:		For size 10B inserts	0.377
<u>ZP-MC16B-DKIT</u>	\$-07qi:		For size 16B inserts	0.385
<u>ZP-MC24B-DKIT</u>	\$07qk:		For size 24B inserts	0.392
<u>ZP-MC-RT3</u>	\$-007ql:		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>	\$07s2:	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>	\$7pb:	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	\$07p8:	16 per pack	Single code pin	1	0.009
ZP-MC-CODEPIN-3	\$07p9:	16 per pack	Male code pin (use w/ ZP-MC-CODEPIN-4)	2	0.064
ZP-MC-CODEPIN-4	\$07pa:	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



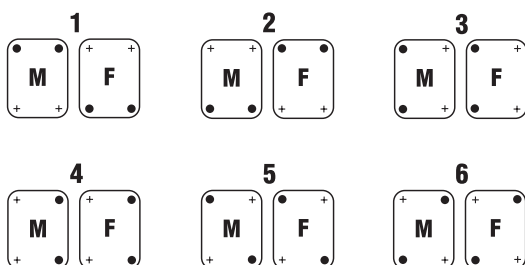
Figure 3

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



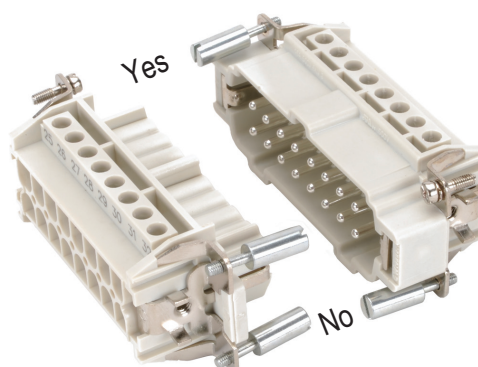
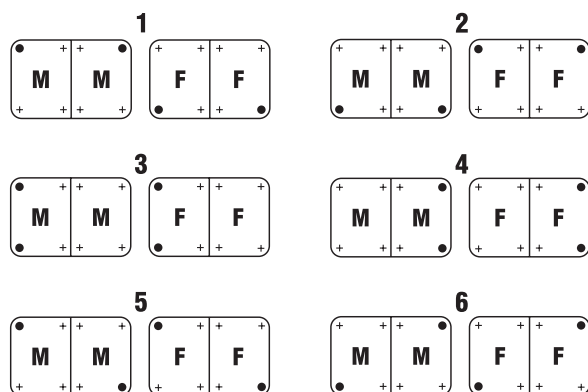
● Code pin ZP-MC-CODEPIN-2

+ Normal fixing screw

M Male insert

F Female insert

Application with double insert





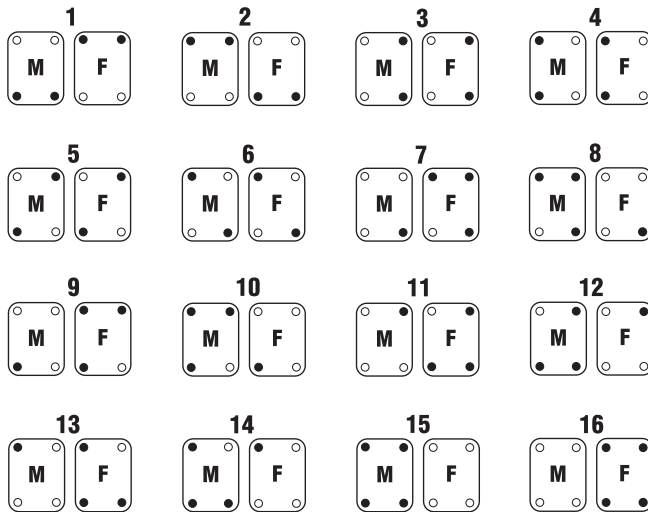
STD Series Multi-Wire Connectors Spare Parts and Accessories

Coding Pin Configurations

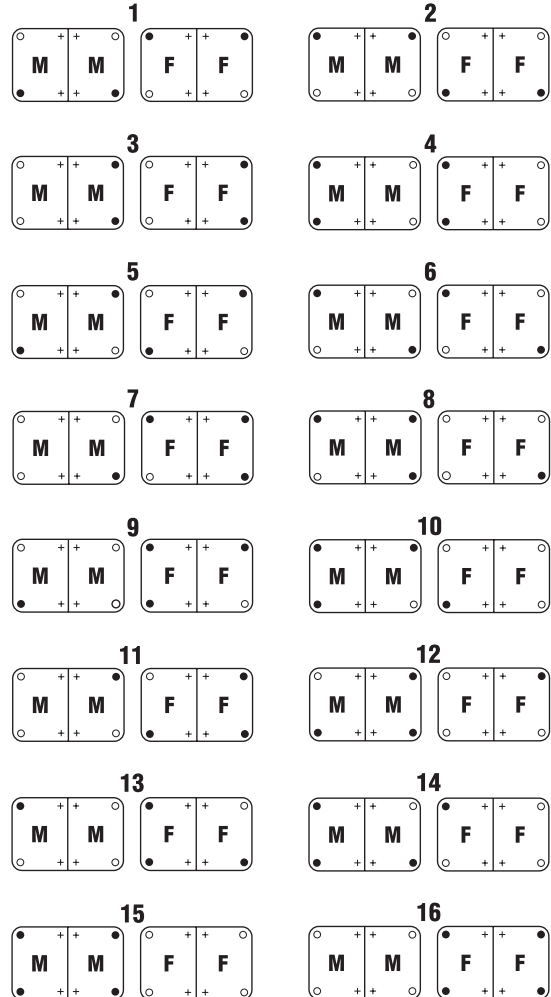
Male / Female Code Pins

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

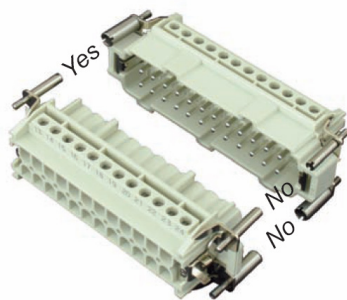
Application with single insert



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





STD Series Multi-Wire Dimensions

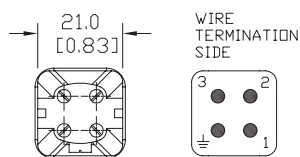
Size 3A Inserts

Dimensions mm [in]

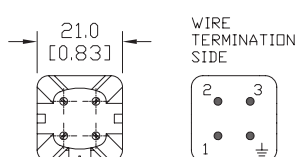
3 + – Screw Terminals

Male

Female



ZP-MC03A-1-MS003

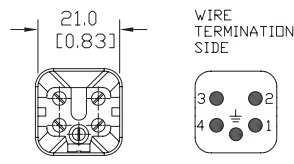


ZP-MC03A-1-FS003

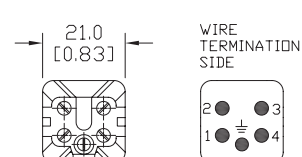
4 + – Screw Terminals

Male

Female



ZP-MC03A-1-MS004

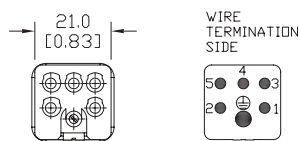


ZP-MC03A-1-FS004

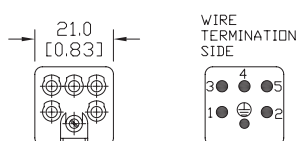
5 + – Crimp Contacts

Male

Female



ZP-MC03A-1-MC005

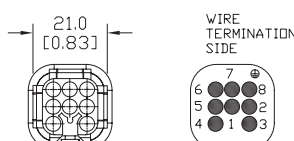


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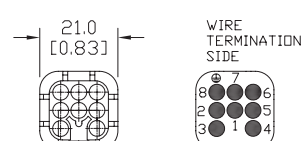
7 + – Crimp Contacts

Male

Female



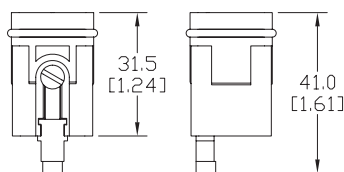
ZP-MC03A-1-MC007



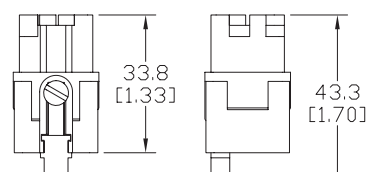
ZP-MC03A-1-FC007

Male

Female

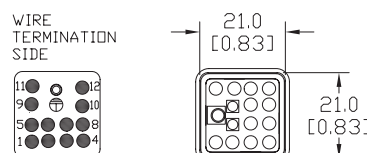
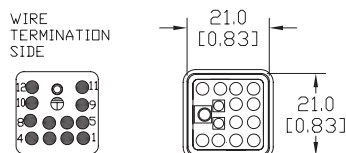


ZP-MC03A-1-MC012



ZP-MC03A-1-FC012

12 + – Crimp Contacts



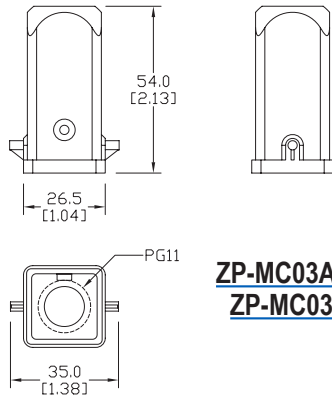


STD Series Multi-Wire Dimensions

Size 3A Hoods and Housings

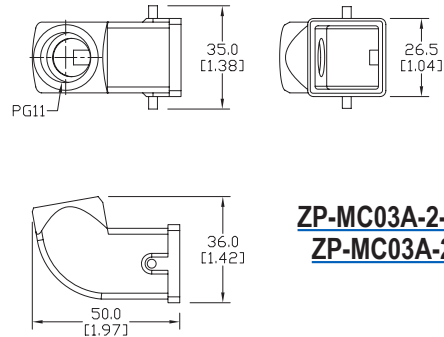
Dimensions mm [in]

Straight Hood



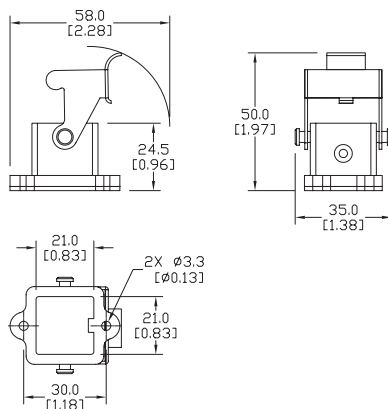
**ZP-MC03A-2-STE11M &
ZP-MC03A-2-STE11P**

Angled Hood



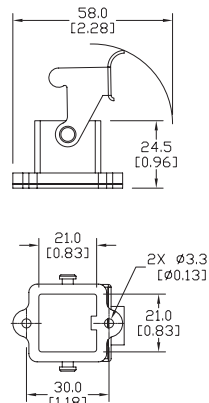
**ZP-MC03A-2-SSE11M &
ZP-MC03A-2-SSE11P**

Bulkhead Straight Base



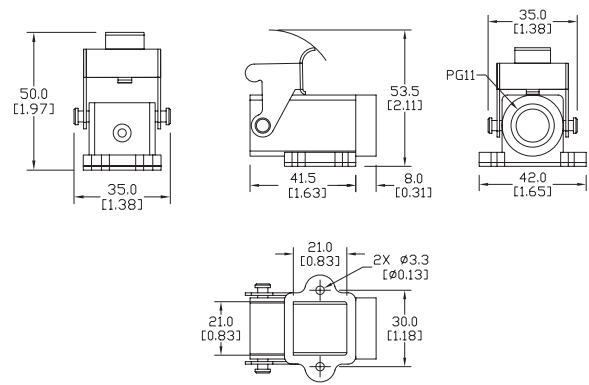
**ZP-MC03A-2-SBHM &
ZP-MC03A-2-SBHP**

Bulkhead Angled Base



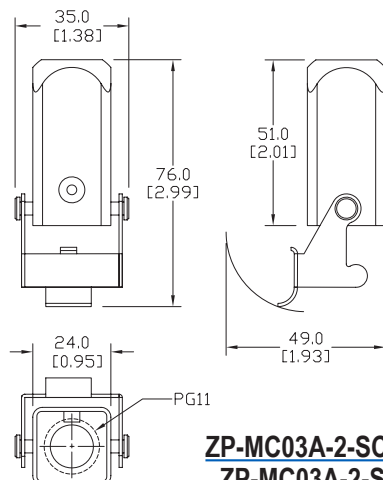
**ZP-MC03A-2-SBHAM &
ZP-MC03A-2-SBHP**

Surface Mount Base



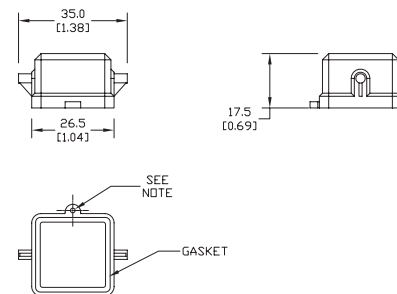
**ZP-MC03A-2-SSM11M &
ZP-MC03A-2-SSM11P**

Coupler



**ZP-MC03A-2-SCP11M &
ZP-MC03A-2-SCP11P**

Cover



Note: Includes attached 112 mm [4.40 inch] nylon cord with ring terminal

**ZP-MC03A-2-SCVPFM,
ZP-MC03A-2-SCVPFP,
ZP-MC03A-2-SCVPM &
ZP-MC03A-2-SCVPM**

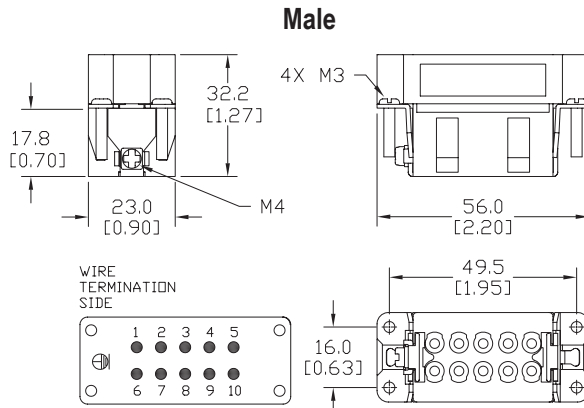


STD Series Multi-Wire Dimensions

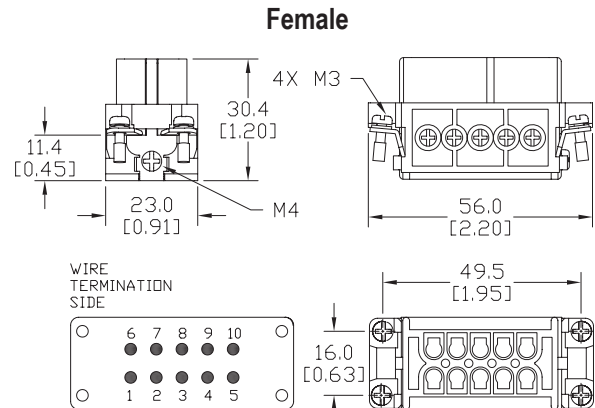
Size 10A Inserts

Dimensions mm [in]

10 + – Screw Terminals

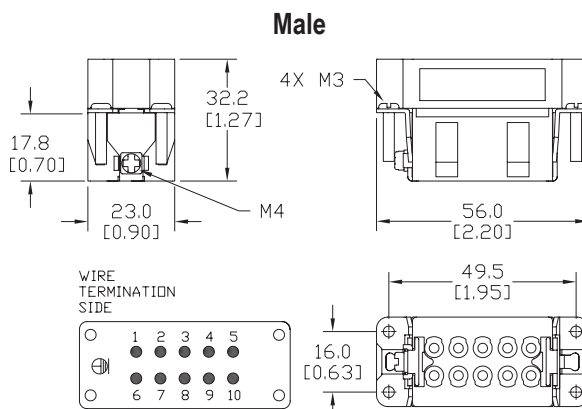


ZP-MC10A-1-MS010

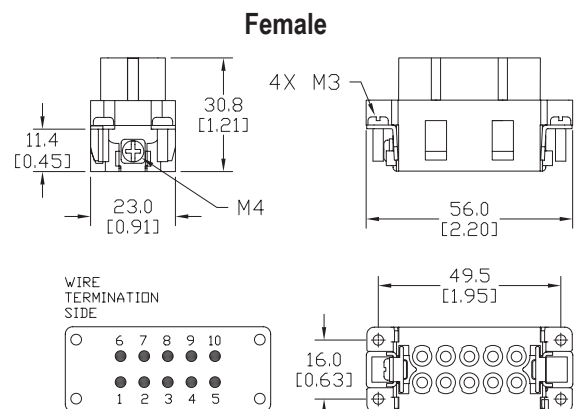


ZP-MC10A-1-FS010

10 + – Crimp Contacts

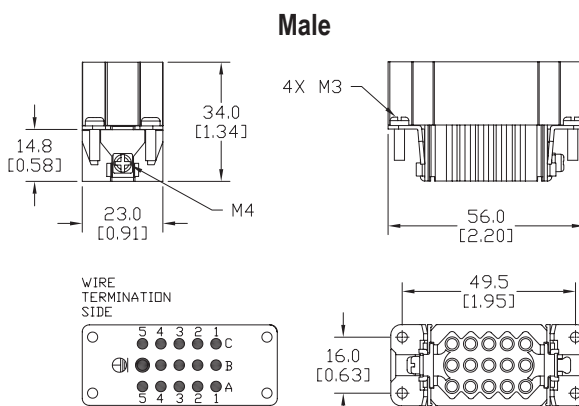


ZP-MC10A-1-MC010

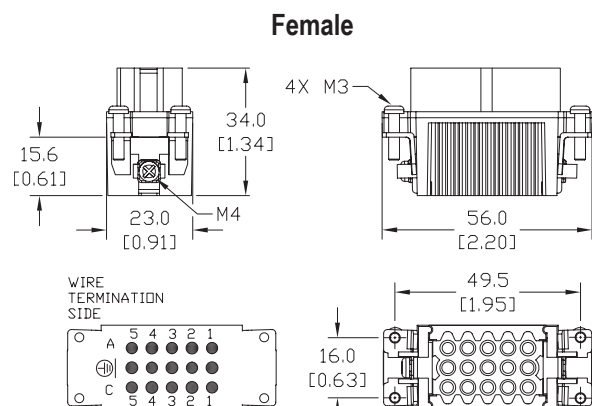


ZP-MC10A-1-FC010

15 + – Crimp Contacts



ZP-MC10A-1-MC015



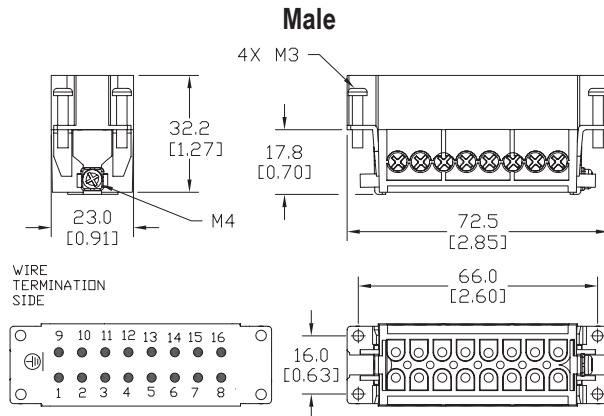
ZP-MC10A-1-FC015

ZIP^{port} STD Series Multi-Wire Dimensions

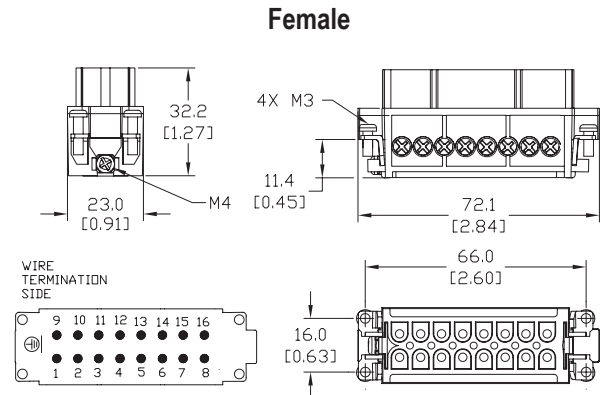
Size 16A Inserts

Dimensions mm [in]

16 + – Screw Terminals

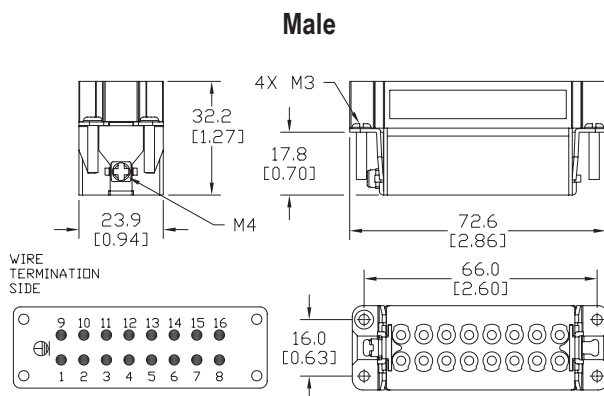


ZP-MC16A-1-MS016

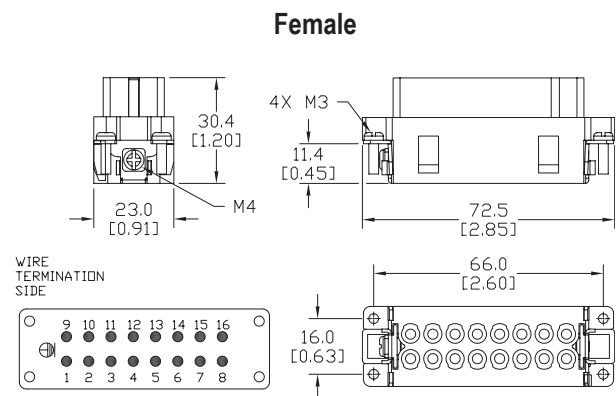


ZP-MC16A-1-FS016

16 + – Crimp Contacts

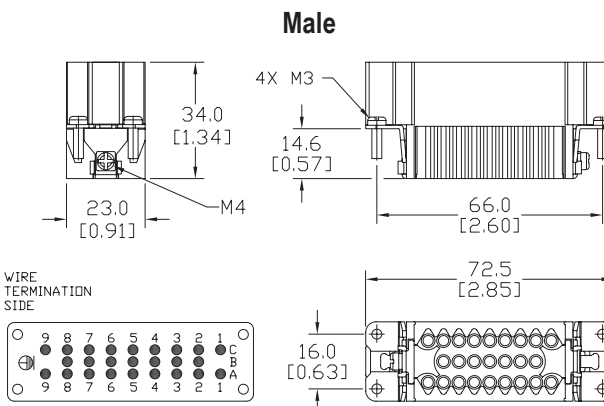


ZP-MC16A-1-MC016

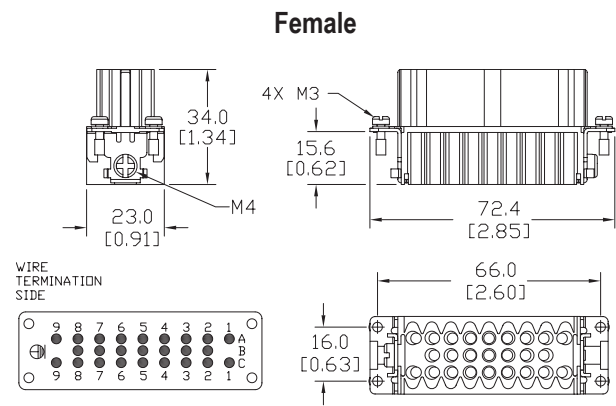


ZP-MC16A-1-FC016

25 + – Crimp Contacts



ZP-MC16A-1-MC025



ZP-MC16A-1-FC025

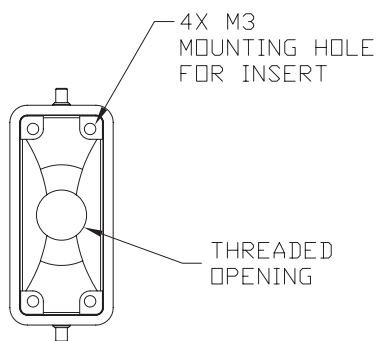
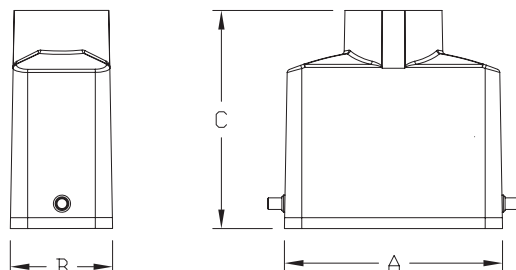


STD Series Multi-Wire Dimensions

Size 10A, 16A Hoods and Housings

Dimensions mm [in]

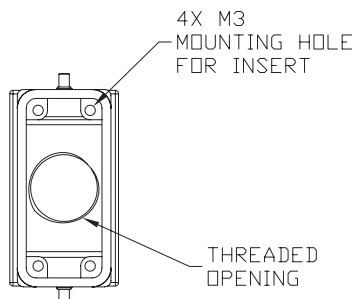
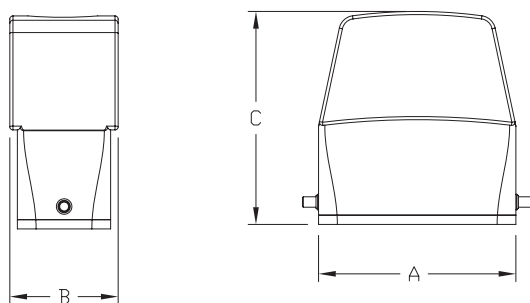
Single Lever Top Entry Hood



Single Lever Top Entry Hood

Part Number	Size	Thread	A	B	C
<u>ZP-MC10A-2-STE13M</u>	10A	Pg 13.5	63.0	29.6	63.0
<u>ZP-MC10A-2-STE16M</u>		Pg 16	[2.48]	[1.17]	[2.48]
<u>ZP-MC16A-2-STE13M</u>	16A	Pg 13.5	79.5	29.6	63.0
<u>ZP-MC16A-2-STE16M</u>		Pg 16	[3.13]	[1.17]	[2.48]

Single Lever Top Entry High Construction Hood



Single Lever Top Entry High Construction Hood

Part Number	Size	Thread	A	B	C
<u>ZP-MC10A-2-STE16ML</u>	10A	Pg 16	63.0	34.6	68.0
<u>ZP-MC10A-2-STE21ML</u>		Pg 21	[2.48]	[1.36]	[2.68]
<u>ZP-MC16A-2-STE16ML</u>	16A	Pg 16	79.5	34.6	71.0
<u>ZP-MC16A-2-STE21ML</u>		Pg 21	[3.13]	[1.36]	[2.79]

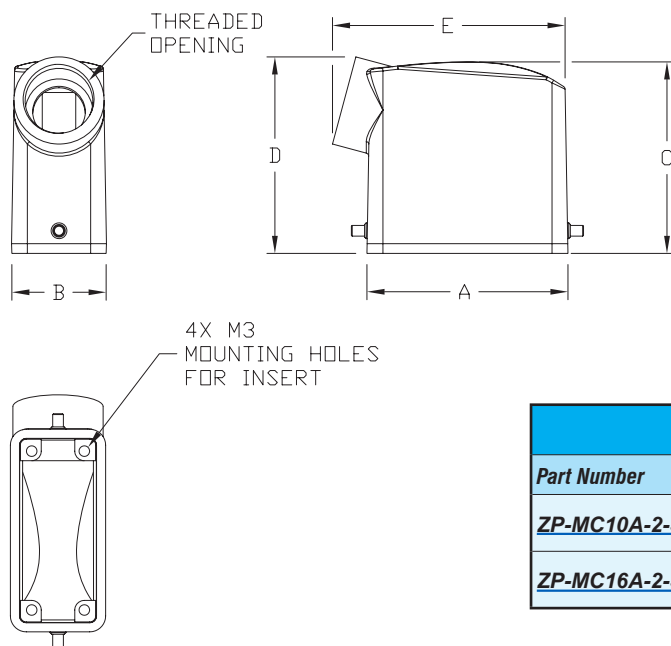


STD Series Multi-Wire Dimensions

Size 10A, 16A Hoods and Housings

Dimensions mm [in]

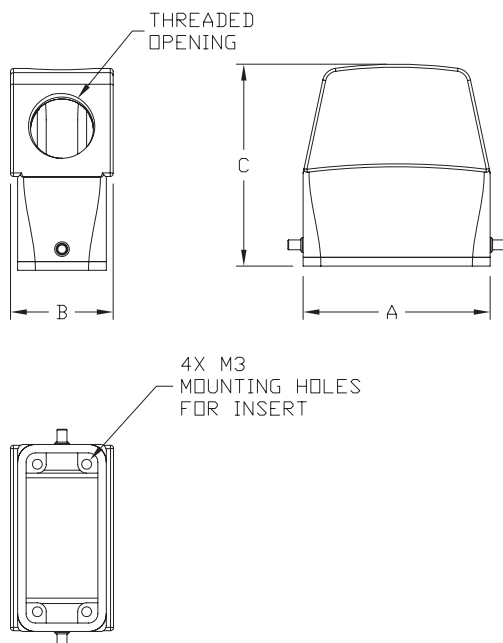
Single Lever Side Entry Hood



Single Lever Side Entry Hood

Part Number	Size	Thread	A	B	C	D	E
<u>ZP-MC10A-2-SSE16M</u>	10A	Pg 16	63.0 [2.48]	29.6 [1.17]	60.0 [2.36]	61.6 [2.43]	72.9 [2.87]
<u>ZP-MC16A-2-SSE16M</u>	16A		79.5 [3.13]	29.6 [1.17]	60.0 [2.36]	61.6 [2.43]	89.8 [3.54]

Single Lever Side Entry High Construction Hood



Single Lever Side Entry High Construction Hood

Part Number	Size	Thread	A	B	C
<u>ZP-MC10A-2-SSE16ML</u>	10A	Pg 16	63.0 [2.48]	34.6 [1.36]	68.0 [2.68]
<u>ZP-MC10A-2-SSE21ML</u>		Pg 21			
<u>ZP-MC16A-2-SSE16ML</u>	16A	Pg 16	79.5 [3.13]	34.6 [1.36]	71.0 [2.79]
<u>ZP-MC16A-2-SSE21ML</u>		Pg 21			

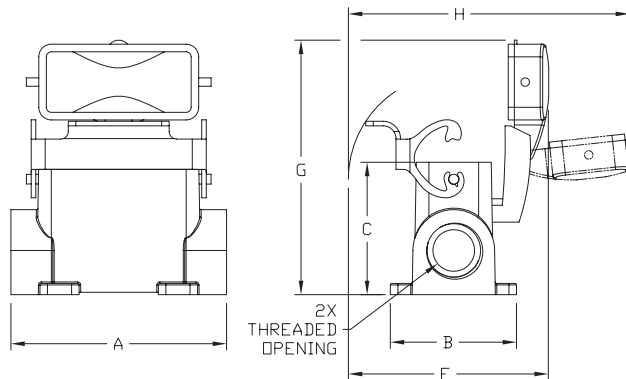
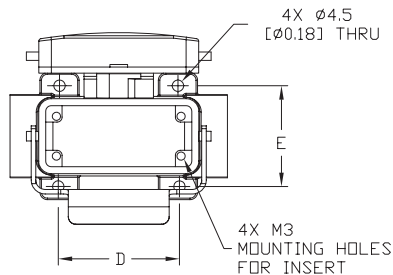


STD Series Multi-Wire Dimensions

Size 10A, 16A Hoods and Housings

Dimensions mm [in]

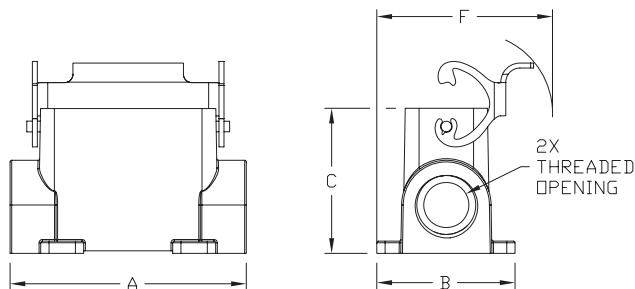
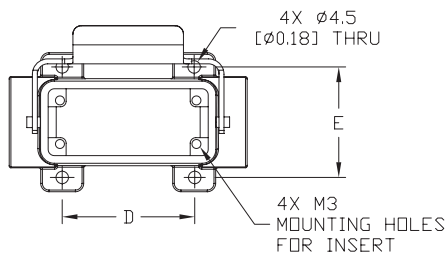
Single Lever Surface Mount Base With Cover



Single Lever Surface Mount Base With Cover

Part Number	Size	Thread	A	B	C	D	E	F	G	H
<u>ZP-MC10A-2-SSM16MC</u>	10A	Pg 16x2	85.5	50.0	52.5	48.0	40.0	79.4	100.9	111.4
<u>ZP-MC10A-2-SSM21MC</u>		Pg 21x2	[3.37]	[1.97]	[2.07]	[1.89]	[1.57]	[3.13]	[3.97]	[4.39]
<u>ZP-MC16A-2-SSM16MC</u>	16A	Pg 16x2	102.0	50.0	57.0	64.0	40.0	79.4	106.0	114.5
<u>ZP-MC16A-2-SSM21MC</u>		Pg 21x2	[4.02]	[1.97]	[2.24]	[2.52]	[1.57]	[3.13]	[4.17]	[4.51]

Single Lever Surface Mount Base



Single Lever Surface Mount Base

Part Number	Size	Thread	A	B	C	D	E	F
<u>ZP-MC10A-2-SSM16M</u>	10A	Pg 16x2	85.5	50.0	52.5	48.0	40.0	63.6
<u>ZP-MC10A-2-SSM21M</u>		Pg 21x2	[3.37]	[1.97]	[2.07]	[1.89]	[1.57]	[2.50]
<u>ZP-MC16A-2-SSM16M</u>	16A	Pg 16x2	102.0	50.0	57.0	64.0	40.0	63.6
<u>ZP-MC16A-2-SSM21M</u>		Pg 21x2	[4.02]	[1.97]	[2.24]	[2.52]	[1.57]	[2.50]

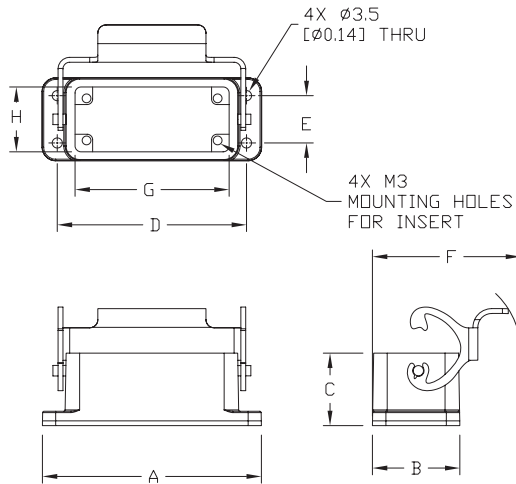


STD Series Multi-Wire Dimensions

Size 10A, 16A Hoods and Housings

Dimensions mm [in]

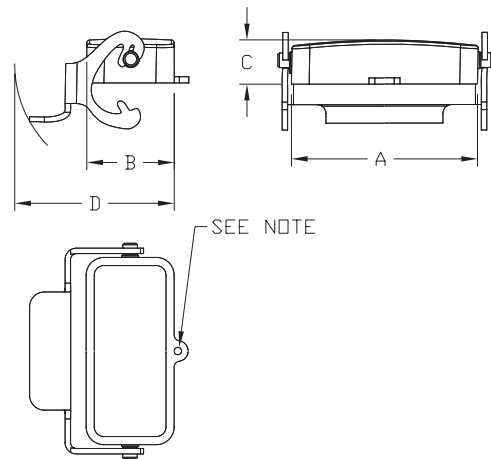
Single Lever Bulkhead Base



Single Lever Bulkhead Base									
Part Number	Size	A	B	C	D	E	F	G*	H*
ZP-MC10A-2-SBHM	10A	81.0 [3.19]	32.3 [1.27]	26.8 [1.06]	70.0 [2.76]	17.5 [0.69]	54.8 [2.16]	57.0 [2.24]	24.0 [0.94]
ZP-MC16A-2-SBHM	16A	96.0 [3.78]	32.3 [1.27]	26.8 [1.06]	86.0 [3.39]	17.5 [0.69]	54.8 [2.16]	73.0 [2.87]	24.0 [0.94]

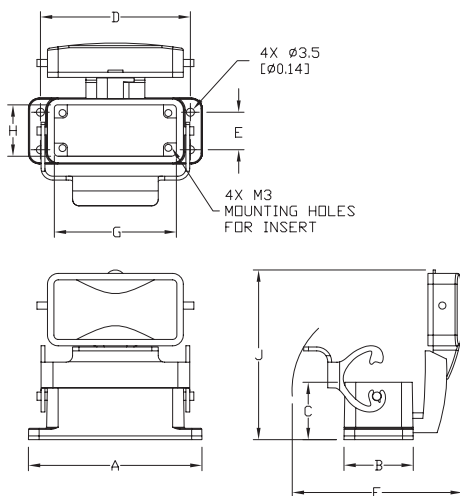
*Dimensions G and H refer to cutout size

Single Lever Cover



Single Lever Cover					
Part Number	Size	A	B	C	D
ZP-MC10A-2-SCVLM	10A	63.0 [2.48]	29.6 [1.17]	15.0 [0.59]	54.0 [2.13]
ZP-MC16A-2-SCVLM	16A	79.5 [3.13]	29.6 [1.17]	15.0 [0.59]	54.0 [2.13]

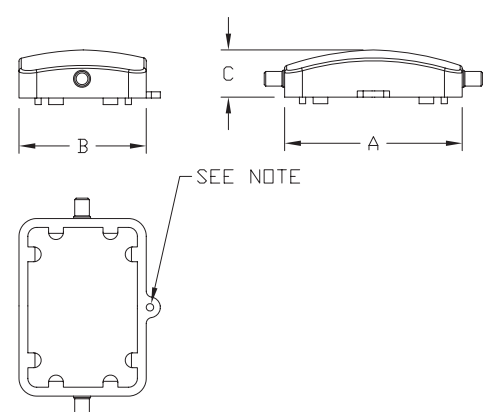
Single Lever Bulkhead Base with Cover



Single Lever Bulkhead Base With Cover										
Part Number	Size	A	B	C	D	E	F	G*	H*	J
ZP-MC10A-2-SBHMC	10A	81.0 [3.19]	32.3 [1.27]	26.8 [1.06]	70.0 [2.76]	17.5 [0.69]	79.4 [3.13]	57.0 [2.24]	24.0 [0.94]	76.0 [2.99]
ZP-MC16A-2-SBHMC	16A	96.0 [3.78]	32.3 [1.27]	26.8 [1.06]	86.0 [3.39]	17.5 [0.69]	79.4 [3.13]	73.0 [2.87]	24.0 [0.94]	76.0 [2.99]

*Dimensions G and H refer to cutout size

Two Peg Cover



Two Peg Cover				
Part Number	Size	A	B	C
ZP-MC10A-2-SCVPM	10A	63.0 [2.48]	29.6 [1.17]	16.0 [0.63]
ZP-MC16A-2-SCVPM	16A	79.5 [3.13]	29.6 [1.17]	16.0 [0.63]

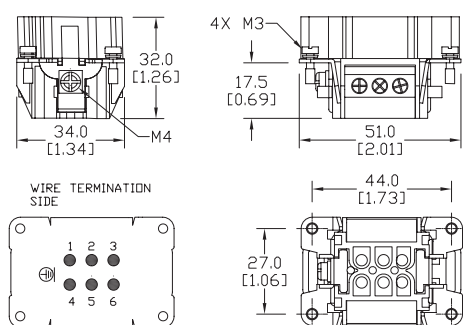
Note: Includes attached 112 mm [4.40 inch] nylon cord with ring terminal

ZIP^{port} STD Series Multi-Wire Dimensions

Size 6B Inserts

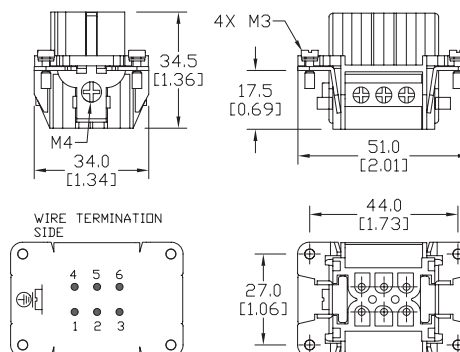
Dimensions mm [in]

6 + – Screw Terminals Male



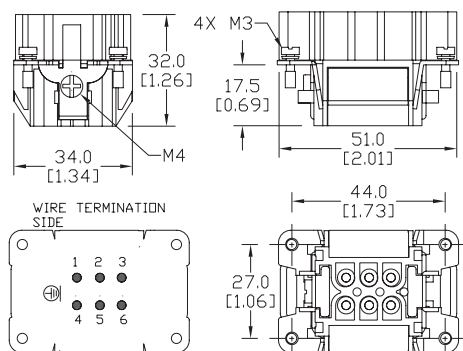
ZP-MC06B-1-MS006

Female



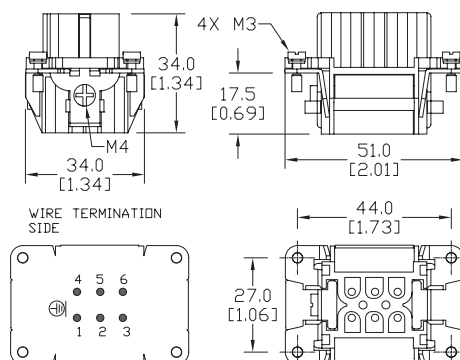
ZP-MC06B-1-FS006

6 + – Crimp Contacts Male



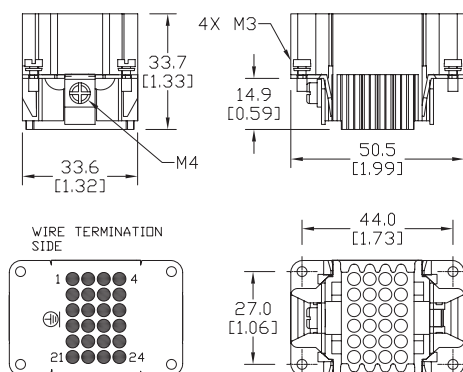
ZP-MC06B-1-MC006

Female



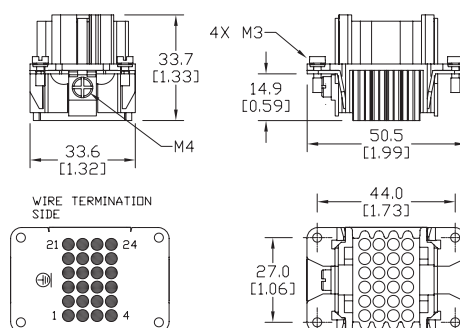
ZP-MC06B-1-FC006

24 + – Crimp Contacts Male



ZP-MC06B-1-MC024

Female



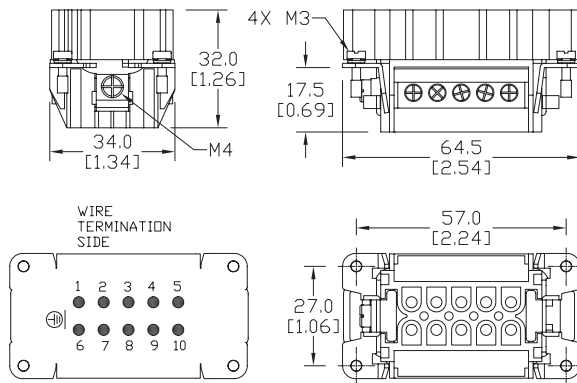
ZP-MC06B-1-FC024

ZIP STD Series Multi-Wire Dimensions

Size 10B Inserts

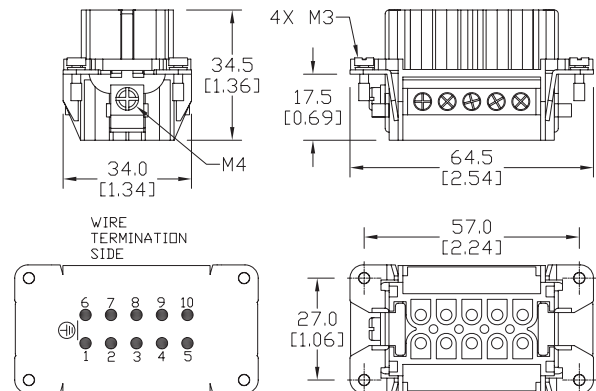
Dimensions mm [in]

10 + – Screw Terminals Male



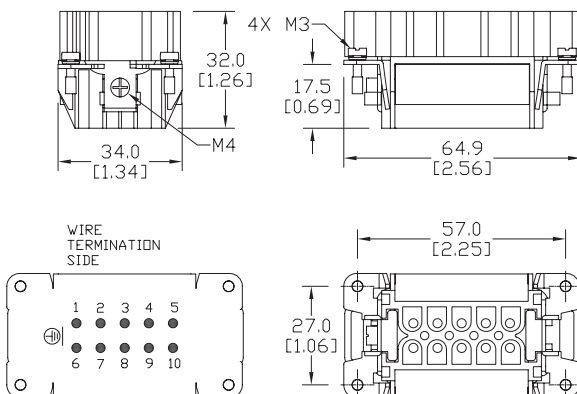
ZP-MC10B-1-MS010

Female



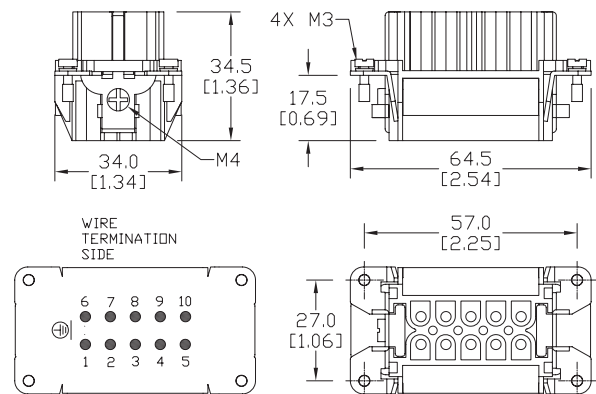
ZP-MC10B-1-FS010

10 + – Crimp Contacts Male



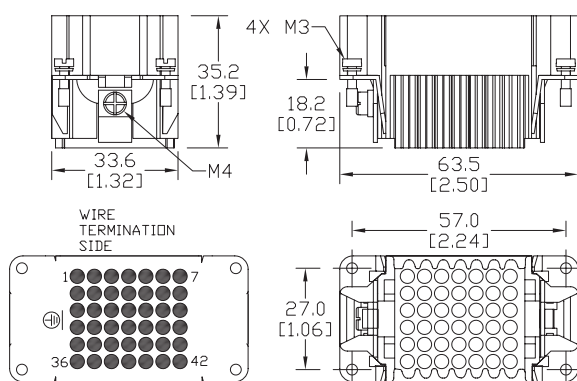
ZP-MC10B-1-MC010

Female



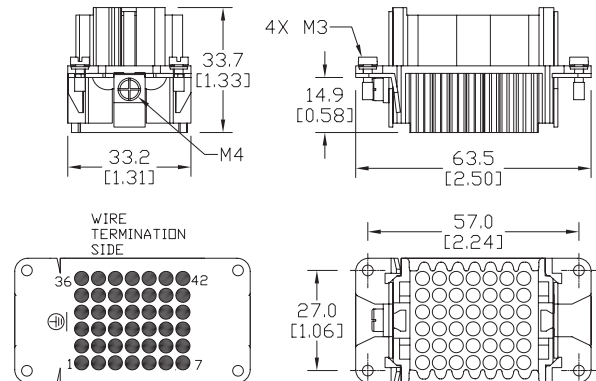
ZP-MC10B-1-FC010

42 + – Crimp Contacts Male



ZP-MC10B-1-MC042

Female



ZP-MC10B-1-FC042

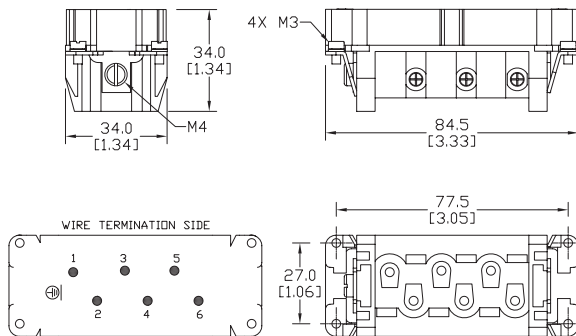


STD Series Multi-Wire Dimensions

Size 16B Inserts

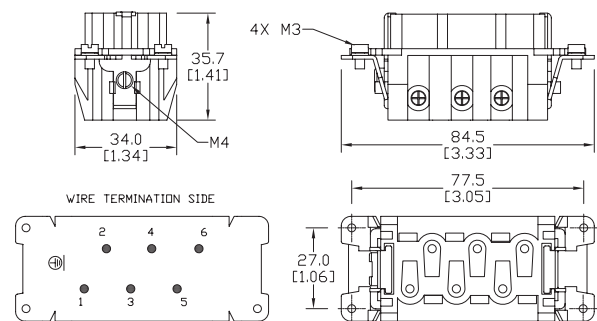
Dimensions mm [in]

6 + – Screw Terminals Male



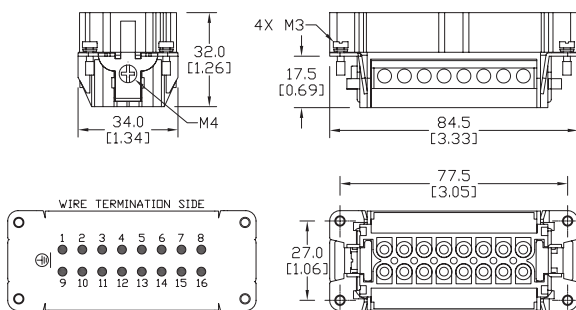
ZP-MC16B-1-MS006

Female



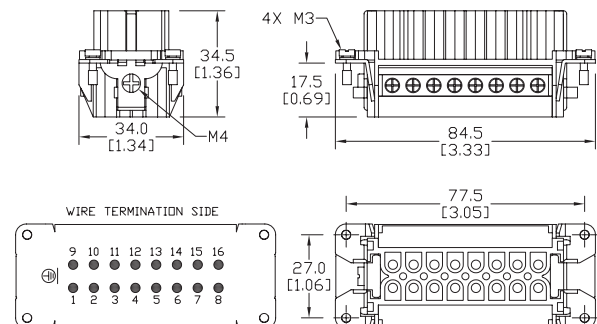
ZP-MC16B-1-FS006

16 + – Screw Terminals Male



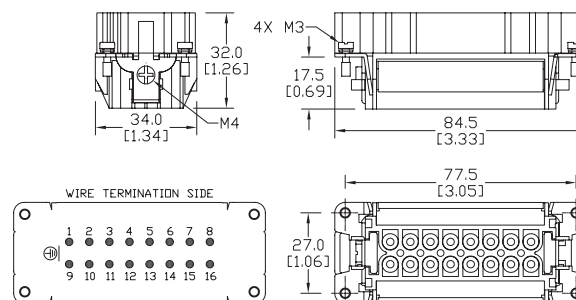
ZP-MC16B-1-MS016

Female



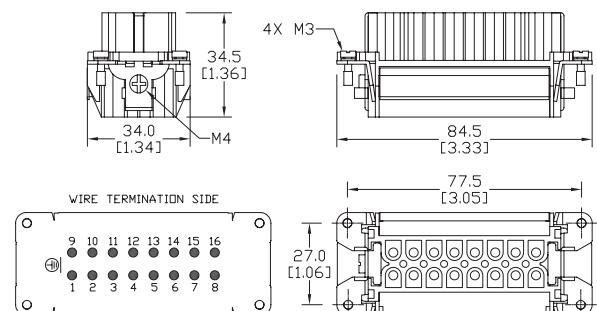
ZP-MC16B-1-FS016

16 + – Crimp Contacts Male



ZP-MC16B-1-MC016

Female



ZP-MC16B-1-FC016

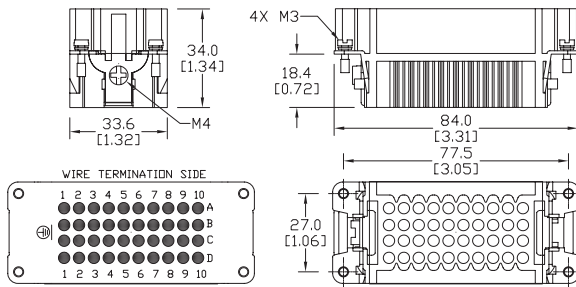


STD Series Multi-Wire Dimensions

Size 16B Inserts

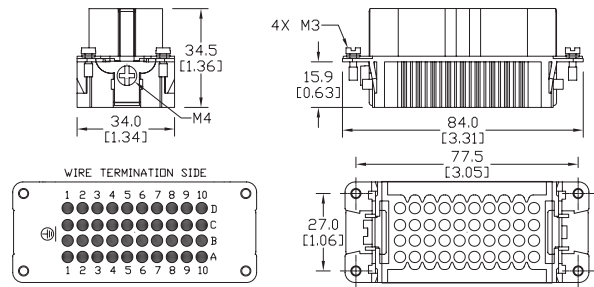
Dimensions mm [in]

40 + – Crimp Contacts Male



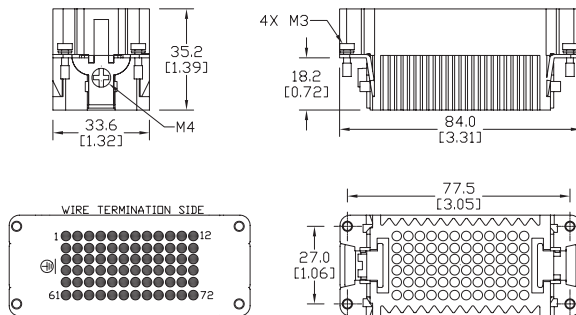
ZP-MC16B-1-MC040

Female



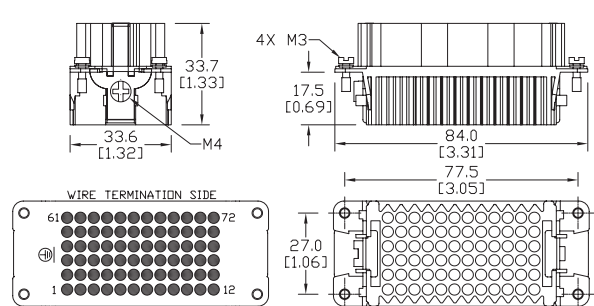
ZP-MC16B-1-FC040

72 + – Crimp Contacts Male



ZP-MC16B-1-MC072

Female



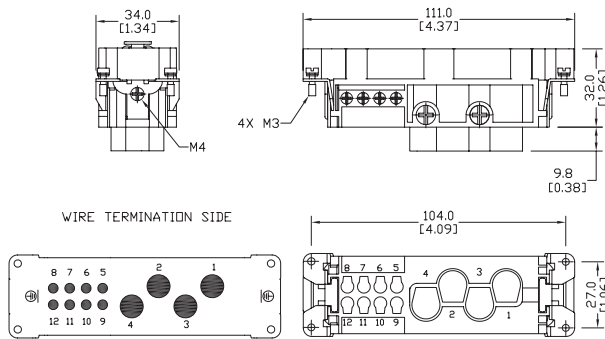
ZP-MC16B-1-FC072

ZIP^{port} STD Series Multi-Wire Dimensions

Size 24B Inserts

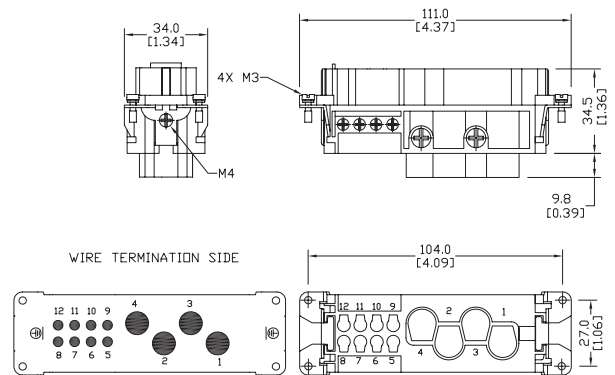
Dimensions mm [in]

8 + 4 + – Screw Terminals Male



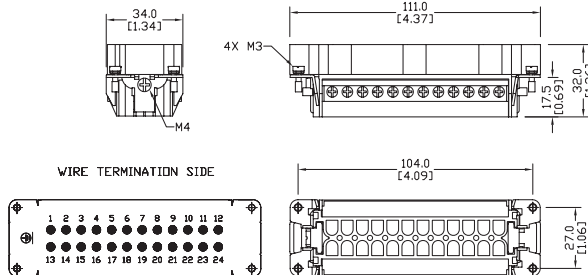
ZP-MC24B-1-MS048

Female



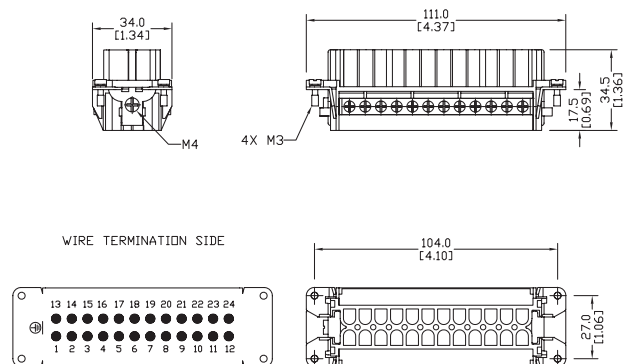
ZP-MC24B-1-FS048

24 + – Screw Terminals Male



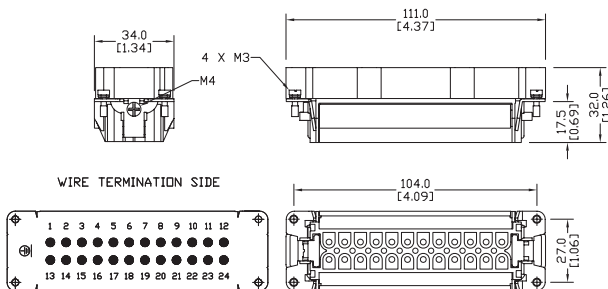
ZP-MC24B-1-MS024

Female



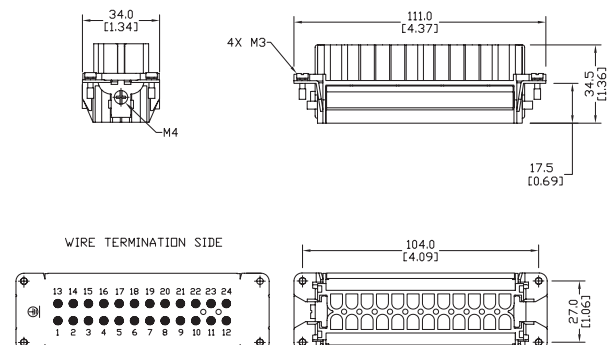
ZP-MC24B-1-FS024

24 + – Crimp Contacts Male



ZP-MC24B-1-MC024

Female



ZP-MC24B-1-FC024

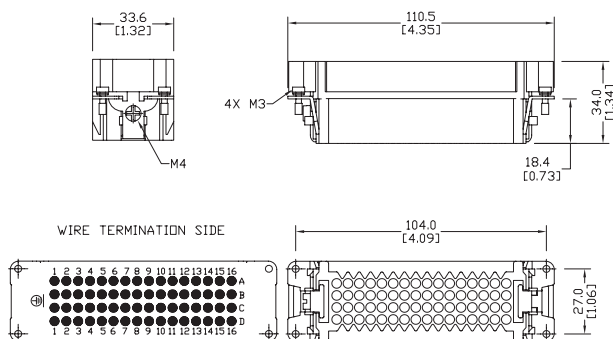


STD Series Multi-Wire Dimensions

Size 24B Inserts

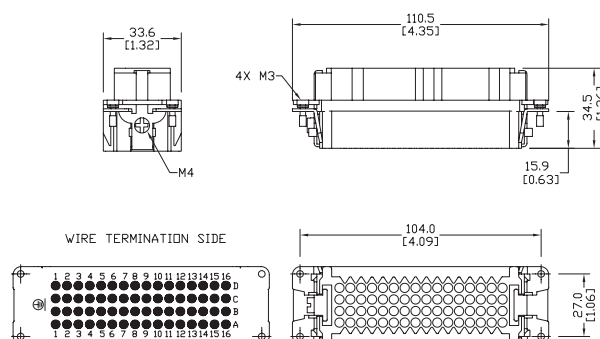
Dimensions mm [in]

64 + $\frac{1}{16}$ – Crimp Contacts Male



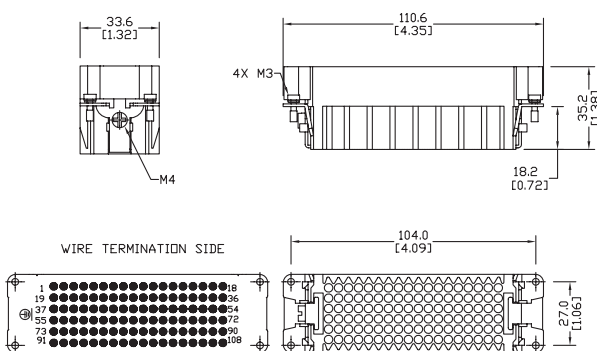
ZP-MC24B-1-MC064

Female



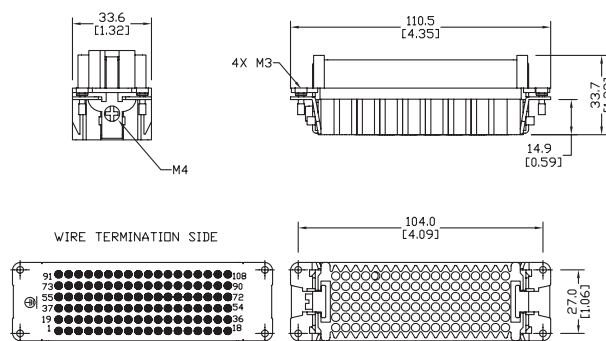
ZP-MC24B-1-FC064

108 + $\frac{1}{16}$ – Crimp Contacts Male



ZP-MC24B-1-MC108

Female



ZP-MC24B-1-FC108

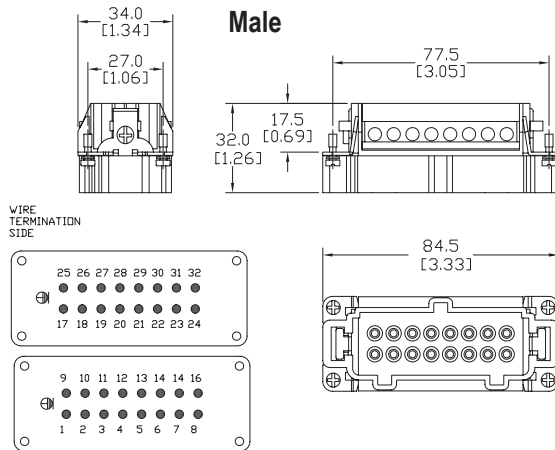


STD Series Multi-Wire Dimensions

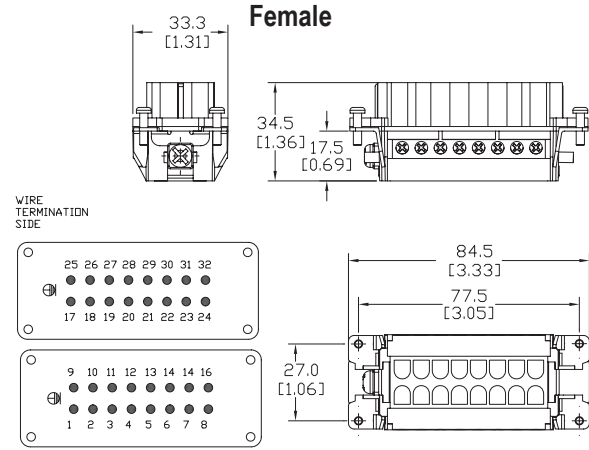
Size 32B Inserts

Dimensions mm [in]

32 + – Screw Terminals

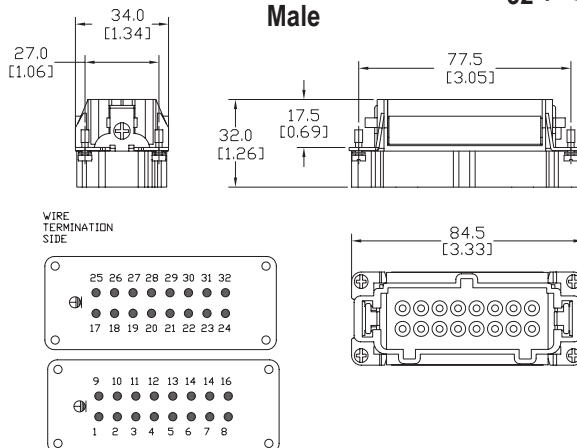


ZP-MC16B-1-MS016 & ZP-MC16B-1-MS016-2

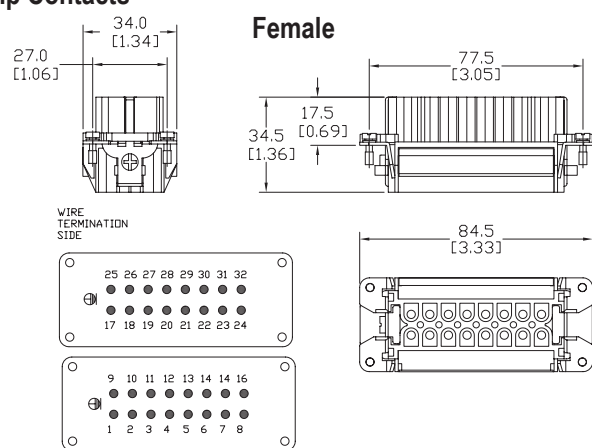


ZP-MC16B-1-FS016 & ZP-MC16B-1-FS016-2

32 + – Crimp Contacts

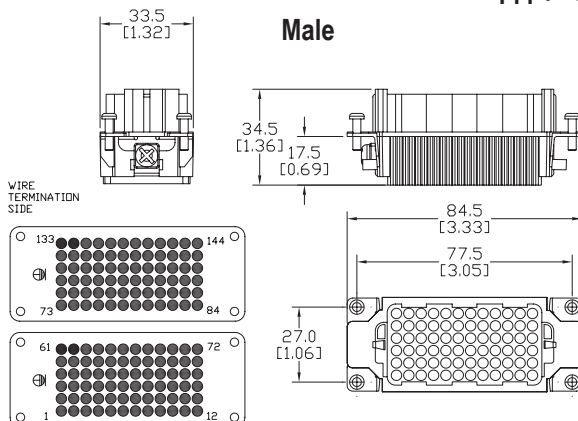


ZP-MC16B-1-MC016 & ZP-MC16B-1-MC016-2

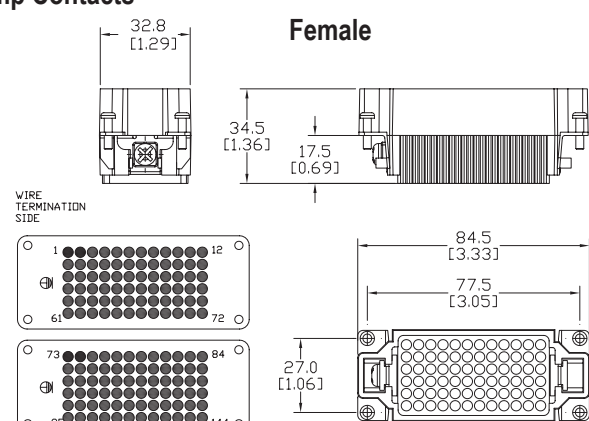


ZP-MC16B-1-FC016 & ZP-MC16B-1-FC016-2

144 + – Crimp Contacts



ZP-MC16B-1-MC072 & ZP-MC16B-1-MC072-2



ZP-MC16B-1-FC072 & ZP-MC16B-1-FC072-2

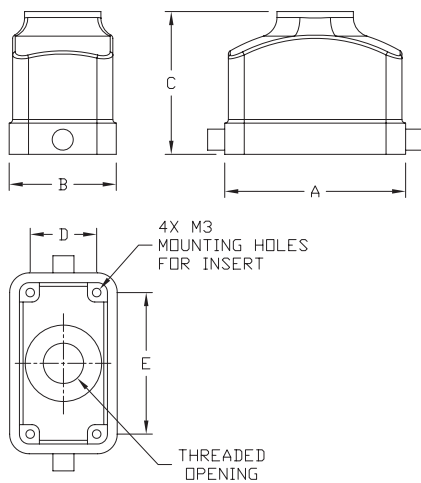


STD Series Multi-Wire Dimensions

Size 6B, 10B, 16B, 24B, 32B Hoods

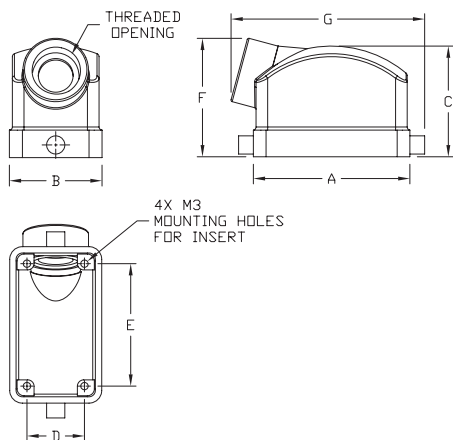
Dimensions mm [in]

Single Lever Top Entry Hood



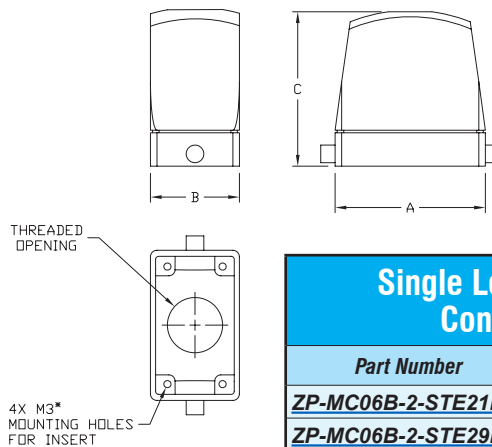
Single Lever Top Entry Hood							
Part Number	Size	Thread	A	B	C	D	E
ZP-MC06B-2-STE16M	6B	Pg 16	60.0 [2.36]	43.5 [1.71]	53.0 [2.09]	27.0 [1.06]	44.0 [1.73]
ZP-MC10B-2-STE16M	10B	Pg 16	73.5 [2.89]	43.5 [1.71]	58.0 [2.28]	27.0 [1.06]	57.0 [2.24]
ZP-MC16B-2-STE21M	16B	Pg 21	94 [3.70]	43.5 [1.71]	58.0 [2.28]	27.0 [1.06]	77.5 [3.05]
ZP-MC24B-2-STE21M	24B	Pg 21	120.5 [4.74]	43.5 [1.71]	68.0 [2.68]	27.0 [1.06]	104.0 [4.09]

Single Lever Side Entry Hood



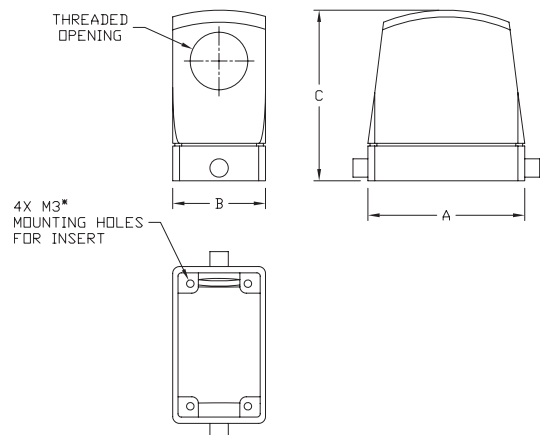
Single Lever Side Entry Hood								
Part Number	Size	Thread	A	B	C	D	E	F
ZP-MC06B-2-SSE16M	6B	Pg 16	60.0 [2.36]	43.5 [1.71]	47.0 [1.85]	27.0 [1.06]	44.0 [1.73]	54.0 [2.13]
ZP-MC10B-2-SSE16M	10B	Pg 16	73.5 [2.89]	43.5 [1.71]	52.0 [2.05]	27.0 [1.06]	57.0 [2.24]	90.9 [3.58]
ZP-MC16B-2-SSE21M	16B	Pg 21	94.0 [3.70]	43.5 [1.71]	63.0 [2.48]	27.0 [1.06]	77.5 [3.05]	109.7 [4.32]
ZP-MC24B-2-SSE21M	24B	Pg 21	120.5 [4.74]	43.5 [1.71]	63.0 [2.48]	27.0 [1.06]	104.0 [4.09]	136.4 [5.37]

Single Lever Top Entry High Construction Hood



Single Lever Top Entry High Construction Hood					
Part Number	Size	Thread	A	B	C
ZP-MC06B-2-STE21ML	6B	Pg 21	60.0	43.5	75.0
ZP-MC06B-2-STE29ML		Pg 29	[2.36]	[1.71]	[2.95]
ZP-MC10B-2-STE21ML	10B	Pg 21	73.5	43.5	75.5
ZP-MC10B-2-STE29ML		Pg 29	[2.89]	[1.71]	[2.97]
ZP-MC16B-2-STE21ML	16B	Pg 21	94.0	43.5	75.5
ZP-MC16B-2-STE29ML		Pg 29	[3.70]	[1.71]	[2.97]
ZP-MC24B-2-STE21ML	24B	Pg 21	120.5	43.5	75.5
ZP-MC24B-2-STE29ML		Pg 29	[4.74]	[1.71]	[2.97]

Single Lever Side Entry High Construction Hood



Single Lever Side Entry High Construction Hood					
Part Number	Size	Thread	A	B	C
ZP-MC06B-2-SSE21ML	6B	Pg 21	60.0	43.5	80.0
ZP-MC06B-2-SSE29ML		Pg 29	[2.36]	[1.71]	[3.15]
ZP-MC10B-2-SSE21ML	10B	Pg 21	73.5	43.5	80.0
ZP-MC10B-2-SSE29ML		Pg 29	[2.90]	[1.71]	[3.15]
ZP-MC16B-2-SSE21ML	16B	Pg 21	94.0	43.5	80.0
ZP-MC16B-2-SSE29ML		Pg 29	[3.70]	[1.71]	[3.15]
ZP-MC24B-2-SSE21ML	24B	Pg 21	120.5	43.5	80.0
ZP-MC24B-2-SSE29ML		Pg 29	[4.74]	[1.71]	[3.15]
ZP-MC32B-2-SSE36M	32B*	Pg 36	94.0 [3.70]	83.0 [3.27]	94.0 [3.70]

*Note: Size 32B hoods require 2 of the 16B inserts.

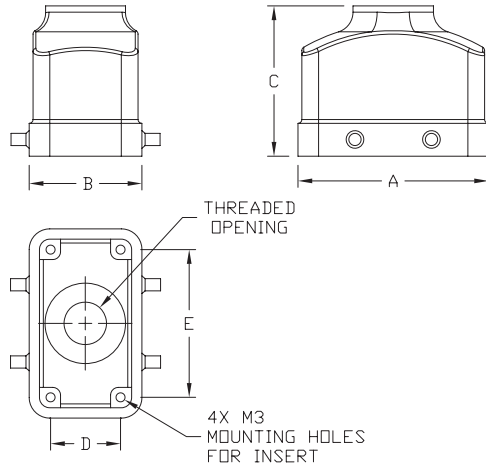


STD Series Multi-Wire Dimensions

Size 10B, 16B, 24B, 32B Hoods

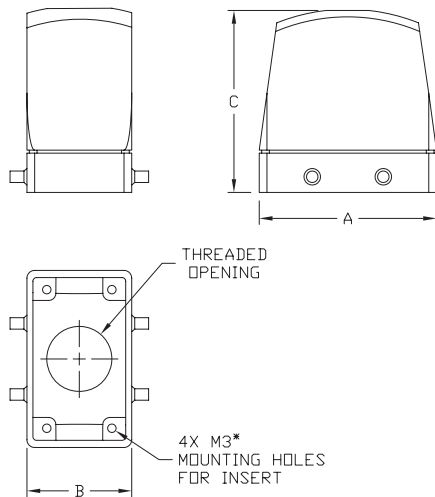
Dimensions mm [in]

Double Lever Top Entry Hood



Double Lever Top Entry Hood							
Part Number	Size	Thread	A	B	C	D	E
<u>ZP-MC10B-2-DTE16M</u>	10B	Pg 16	73.5 [2.89]	43.5 [1.71]	58.0 [2.28]	27.0 [1.06]	57.0 [2.24]
<u>ZP-MC16B-2-DTE21M</u>	16B	Pg 21	94.0 [3.70]	43.5 [1.71]	58.0 [2.28]	27.0 [1.06]	77.5 [3.05]
<u>ZP-MC24B-2-DTE21M</u>	24B	Pg 21	120.5 [4.74]	43.5 [1.71]	68.0 [2.68]	27.0 [1.06]	104.0 [4.09]
<u>ZP-MC24B-2-DTE29M</u>		Pg 29					

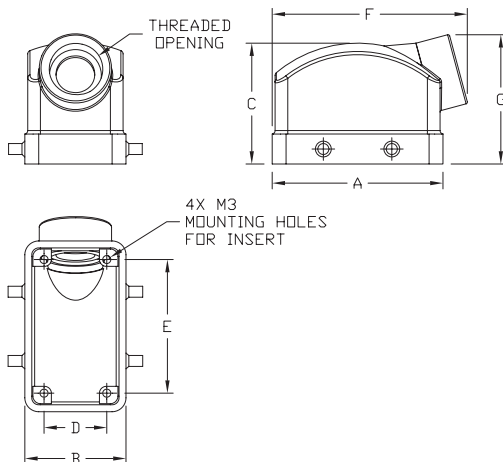
Double Lever Top Entry High Construction Hood



Double Lever Top High Construction Hood					
Part Number	Size	Thread	A	B	C
<u>ZP-MC10B-2-DTE21ML</u>	10B	Pg 21	73.5 [2.89]	43.5 [1.71]	75.5 [2.97]
<u>ZP-MC10B-2-DTE29ML</u>		Pg 29			
<u>ZP-MC16B-2-DTE21ML</u>	16B	Pg 21	94.0 [3.70]	43.5 [1.71]	75.5 [2.97]
<u>ZP-MC16B-2-DTE29ML</u>		Pg 29			
<u>ZP-MC24B-2-DTE21ML</u>	24B	Pg 21	120.5 [4.74]	43.5 [1.71]	75.5 [2.97]
<u>ZP-MC24B-2-DTE29ML</u>		Pg 29			

*Note: Size 32B hoods require 2 of the 16B inserts

Double Lever Side Entry Hood



Double Lever Side Entry Hood									
Part Number	Size	Thread	A	B	C	D	E	F	G
<u>ZP-MC10B-2-DSE16M</u>	10B	Pg 16	73.5 [2.89]	43.5 [1.71]	52.0 [2.05]	27.5 [1.08]	57.5 [2.26]	57.5 [2.26]	83.9 [3.30]
<u>ZP-MC16B-2-DSE21M</u>	16B	Pg 21	94.0 [3.70]	43.5 [1.71]	63.0 [2.48]	27.5 [1.08]	77.5 [3.05]	58.0 [2.28]	102.7 [4.04]
<u>ZP-MC24B-2-DSE21M</u>	24B	Pg 21	120.5 [4.74]	43.5 [1.71]	63.0 [2.48]	27.5 [1.08]	104.0 [4.09]	57.0 [2.24]	129.3 [5.09]
<u>ZP-MC24B-2-DSE29M</u>		Pg 29							

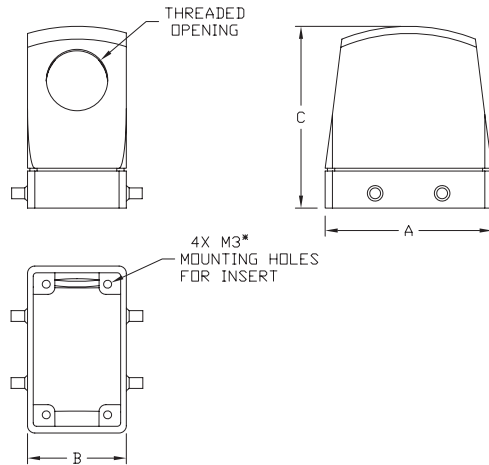


STD Series Multi-Wire Dimensions

Size 10B, 16B, 24B, 32B Hoods

Dimensions mm [in]

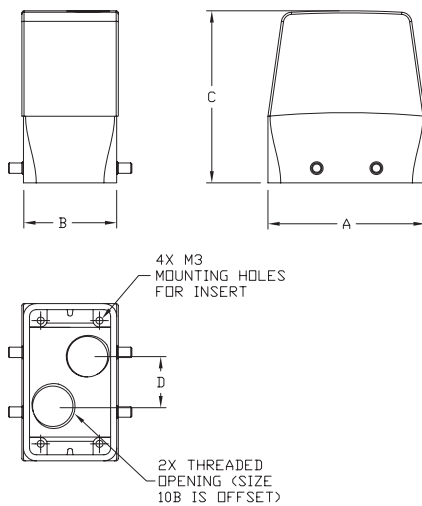
Double Lever Side Entry High Construction Hood



Double Lever Side Entry High Construction Hood					
Part Number	Size	Thread	A	B	C
<u>ZP-MC10B-2-DSE21ML</u>	10B	Pg 21	73.5 [2.89]	43.5 [1.71]	80.0 [3.15]
<u>ZP-MC10B-2-DSE29ML</u>		Pg 29			
<u>ZP-MC16B-2-DSE21ML</u>	16B	Pg 21	94.0 [3.70]	43.5 [1.71]	80.0 [3.15]
<u>ZP-MC16B-2-DSE29ML</u>		Pg 29			
<u>ZP-MC24B-2-DSE21ML</u>	24B	Pg 21	120.5 [4.74]	43.5 [1.71]	80.0 [3.15]
<u>ZP-MC24B-2-DSE29ML</u>		Pg 29			
<u>ZP-MC32B-2-DSE36M</u>	32B*	Pg 36	94.0 [3.70]	83.0 [3.27]	94.0 [3.70]

*Note: Size 32B hoods require 2 of the 16B inserts.

Double Lever Double Top Entry Hood High Construction



Double Lever Double Top Entry High Construction Hood						
Part Number	Size	Thread	A	B	C	D
<u>ZP-MC10B-2-DTE13M2</u>	10B	Pg 13.5x2	73.5 [2.89]	43.5 [1.71]	81.0 [3.19]	24.0 [0.94]
<u>ZP-MC16B-2-DTE16M2</u>	16B	Pg 16x2	94.0 [3.70]	43.5 [1.71]	81.0 [3.19]	38.0 [1.50]
<u>ZP-MC16B-2-DTE21M2</u>		Pg 21x2				
<u>ZP-MC24B-2-DTE21M2</u>	24B	Pg 21x2	120.5 [4.74]	43.5 [1.71]	81.0 [3.19]	53.0 [2.09]
<u>ZP-MC24B-2-DTE29M2</u>		Pg 29x2				

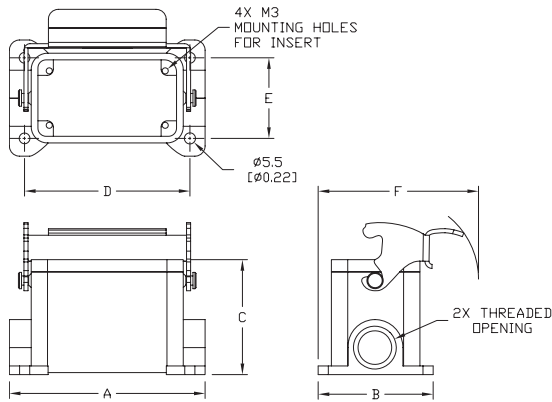


STD Series Multi-Wire Dimensions

Size 6B, 10B, 16B, 24B, 32B Bases

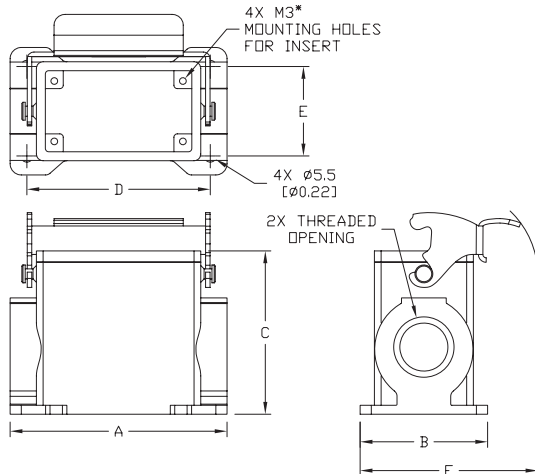
Dimensions mm [in]

Single Lever Surface Mount Base



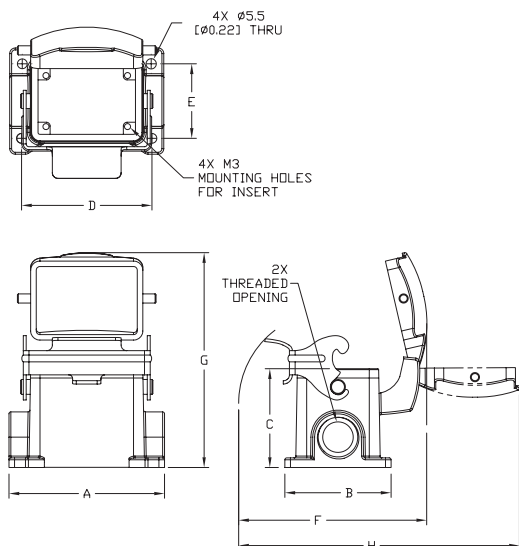
Single Lever Surface Mount Base								
Part Number	Size	Thread	A	B	C	D	E	F
<u>ZP-MC06B-2-SSM16M</u>	6B	Pg 16x2	83.5 [3.29]	57.0 [2.24]	53.0 [2.09]	70.0 [2.76]	40.0 [1.57]	79.5 [3.13]
<u>ZP-MC10B-2-SSM16M</u>	10B	Pg 16x2	97.0 [3.82]	57.0 [2.24]	57.0 [2.24]	82.0 [3.23]	40.0 [1.57]	79.5 [3.13]
<u>ZP-MC16B-2-SSM21M</u>	16B	Pg 21x2	117.0 [4.61]	57.0 [2.24]	63.0 [2.48]	105.0 [4.13]	45.0 [1.77]	79.5 [3.13]
<u>ZP-MC24B-2-SSM21M</u>	24B	Pg 21x2	143.5 [5.65]	57.0 [2.24]	63.0 [2.48]	132 [5.20]	45.0 [1.77]	79.5 [3.13]
<u>ZP-MC32B-2-SSM36M</u>	32B	Pg 36x2	125.0 [4.92]	84.5 [3.33]	87.5 [3.44]	112.0 [4.41]	67.0 [2.64]	115.5 [4.55]

Single Lever High Construction Surface Mount Base



Single Lever High Construction Surface Mount Base								
Part Number	Size	Thread	A	B	C	D	E	F
<u>ZP-MC06B-2-SSM21ML</u>	6B	Pg 21x2	83.5 [3.29]	57.0 [2.24]	72.0 [2.84]	70.0 [2.76]	40.0 [1.57]	79.5 [3.13]
<u>ZP-MC06B-2-SSM29ML</u>		Pg 29x2						
<u>ZP-MC10B-2-SSM21ML</u>	10B	Pg 21x2	97.0 [3.82]	57.0 [2.24]	73.0 [2.88]	82.0 [3.23]	40.0 [1.57]	79.5 [3.13]
<u>ZP-MC10B-2-SSM29ML</u>		Pg 29x2						
<u>ZP-MC16B-2-SSM21ML</u>	16B	Pg 21x2	117.0 [4.61]	57.0 [2.24]	77.0 [3.03]	105.0 [4.13]	45.0 [1.77]	79.5 [3.13]
<u>ZP-MC16B-2-SSM29ML</u>		Pg 29x2						
<u>ZP-MC24B-2-SSM21ML</u>	24B	Pg 21x2	143.5 [5.65]	57.0 [2.24]	80.0 [3.15]	132.0 [5.20]	45.0 [1.77]	79.5 [3.13]
<u>ZP-MC24B-2-SSM29ML</u>		Pg 29x2						

Single Lever Surface Mount Base With Cover



Single Lever Surface Mount Base With Cover										
Part Number	Size	Thread	A	B	C	D	E	F	G	H
<u>ZP-MC06B-2-SSM16C</u>	6B	Pg 16x2	83.5 [3.29]	57.0 [2.24]	53.0 [2.09]	70.0 [2.76]	40.0 [1.57]	101.0 [3.98]	115.3 [4.54]	150.7 [5.93]
<u>ZP-MC10B-2-SSM16C</u>	10B	Pg 16x2	97.0 [3.82]	57.0 [2.24]	57.0 [2.24]	82.0 [3.23]	40.0 [1.57]	101.0 [3.98]	115.3 [4.54]	145.5 [5.73]
<u>ZP-MC16B-2-SSM21C</u>	16B	Pg 21x2	117.0 [4.61]	57.0 [2.24]	63.0 [2.48]	105.0 [4.13]	45.0 [1.77]	101.0 [3.98]	124.5 [4.90]	145.5 [5.73]
<u>ZP-MC24B-2-SSM21C</u>	24B	Pg 21x2	143.5 [5.65]	57.0 [2.24]	63.0 [2.48]	132.0 [5.20]	45.0 [1.77]	101.0 [3.98]	124.5 [4.90]	145.5 [5.73]
<u>ZP-MC32B-2-SSM36C</u>	32B	Pg 36x2	125.0 [4.92]	84.5 [3.33]	87.5 [3.44]	112.0 [4.41]	67.0 [2.64]	146.0 [5.75]	187.0 [7.36]	228.9 [9.01]

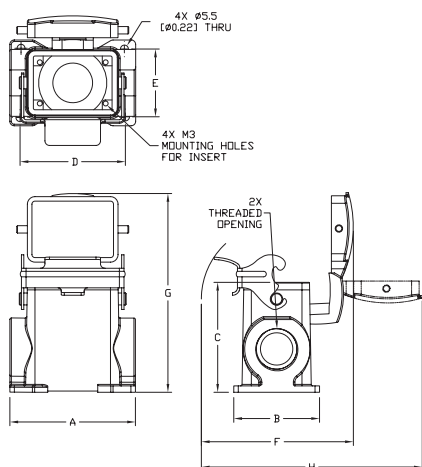


STD Series Multi-Wire Dimensions

Size 6B, 10B, 16B, 24B Bases

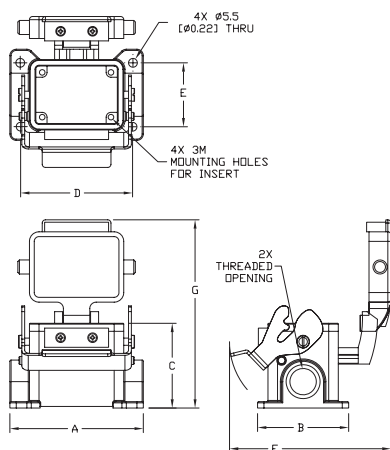
Dimensions mm [in]

Single Lever High Construction Surface Mount Base With Cover



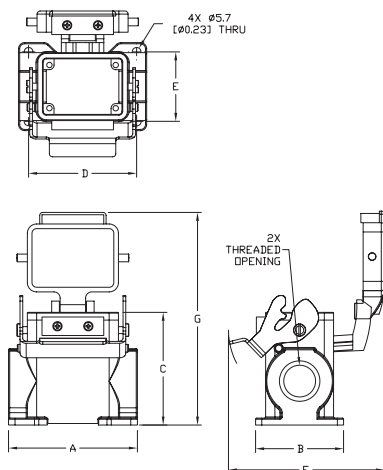
Single Lever High Construction Surface Mount Base With Cover										
Part Number	Size	Thread	A	B	C	D	E	F	G	H
ZP-MC06B-2-SSM21CL	6B	Pg 21x2	83.5	57.0	73.0	70.0	45.0	101.0	132.1	146.8
ZP-MC06B-2-SSM29CL		Pg 29x2	[3.29]	[2.24]	[2.87]	[2.76]	[1.77]	[3.98]	[5.20]	[5.78]
ZP-MC10B-2-SSM21CL	10B	Pg 21x2	97.0	57.0	73.0	82.0	45.0	101.0	133.3	148.0
ZP-MC10B-2-SSM29CL		Pg 29x2	[3.82]	[2.24]	[2.87]	[3.23]	[1.77]	[3.98]	[5.25]	[5.83]
ZP-MC16B-2-SSM21CL	16B	Pg 21x2	117.0	57.0	77.0	105.0	45.0	101.0	137.5	150.0
ZP-MC16B-2-SSM29CL		Pg 29x2	[4.61]	[2.24]	[3.03]	[4.13]	[1.77]	[3.98]	[5.41]	[5.91]
ZP-MC24B-2-SSM21CL	24B	Pg 21x2	143.5	57.0	80.0	132.0	45.0	101.0	140.5	154.4
ZP-MC24B-2-SSM29CL		Pg 29x2	[5.65]	[2.24]	[3.15]	[5.20]	[1.77]	[3.98]	[5.53]	[6.08]

Single Lever Surface Mount Base With Automatic Cover



Single Lever Surface Mount Base With Automatic Cover										
Part Number	Size	Thread	A	B	C	D	E	F	G	
ZP-MC06B-2-SSM16CA	6B	Pg 16x2	83.5	57.0	53.0	70.0	40.0	101.0	117.8	
			[3.29]	[2.24]	[2.09]	[2.76]	[1.57]	[3.98]	[4.64]	
ZP-MC10B-2-SSM16CA	10B	Pg 16x2	97.0	57.0	57.0	82.0	40.0	101.0	121.0	
			[3.82]	[2.24]	[2.24]	[3.23]	[1.57]	[3.98]	[4.76]	
ZP-MC16B-2-SSM21CA	16B	Pg 21x2	117.0	57.0	63.0	105.0	45.0	101.0	127.5	
			[4.61]	[2.24]	[2.48]	[4.13]	[1.77]	[3.98]	[5.02]	
ZP-MC24B-2-SSM21CA	24B	Pg 21x2	143.5	57.0	63.0	132.0	45.0	101.0	127.8	
			[5.65]	[2.24]	[2.48]	[5.20]	[1.77]	[3.98]	[5.03]	

Single Lever High Construction Surface Mount Base With Automatic Cover



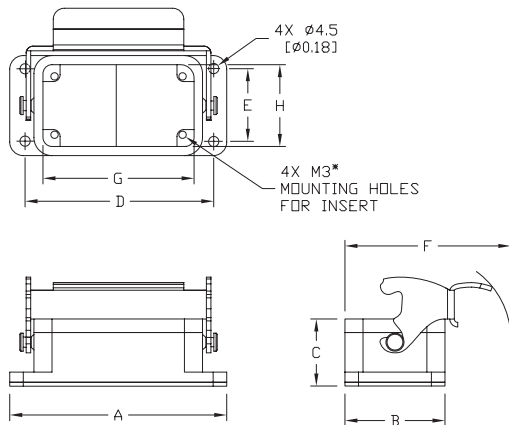
Single Lever High Construction Surface Mount Base With Automatic Cover										
Part Number	Size	Thread	A	B	C	D	E	F	G	
ZP-MC06B-2-SSM21CA	6B	Pg 21x2	83.5	57.0	73.0	70.0	45.0	101.0	137.3	
ZP-MC06B-2-SSM29CA		Pg 29x2	[3.29]	[2.24]	[2.87]	[2.76]	[1.77]	[3.98]	[5.41]	
ZP-MC10B-2-SSM21CA	10B	Pg 21x2	97.0	57.0	73.0	82.0	45.0	101.0	137.3	
ZP-MC10B-2-SSM29CA		Pg 29x2	[3.82]	[2.24]	[2.87]	[3.23]	[1.77]	[3.98]	[5.41]	
ZP-MC16B-2-SM21CAL	16B	Pg 21x2	117.0	57.0	77.0	105.0	45.0	101.0	141.7	
ZP-MC16B-2-SM29CAL		Pg 29x2	[4.61]	[2.24]	[3.03]	[4.13]	[1.77]	[3.98]	[5.58]	
ZP-MC24B-2-SM21CAL	24B	Pg 21x2	143.5	57.0	80.0	132.0	45.0	101.0	144.8	
ZP-MC24B-2-SM29CAL		Pg 29x2	[5.65]	[2.24]	[3.15]	[5.20]	[1.77]	[3.98]	[5.70]	

ZIP STD Series Multi-Wire Dimensions

Size 6B, 10B, 16B, 24B, 32B Bases

Dimensions mm [in]

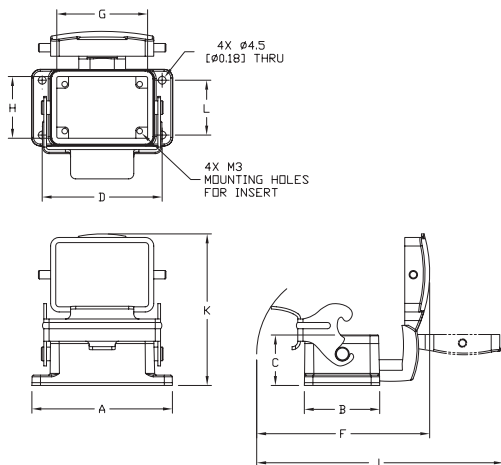
Single Lever Bulkhead Base



Single Lever Bulkhead Base									
Part Number	Size	A	B	C	D	E	F	G*	H*
<u>ZP-MC06B-2-SBHM</u>	6B	82.0 [3.23]	44.0 [1.73]	29.5 [1.16]	70.0 [2.75]	32.0 [1.26]	73.0 [2.88]	53.0 [2.09]	36.0 [1.42]
<u>ZP-MC10B-2-SBHM</u>	10B	95.5 [3.76]	44.0 [1.73]	29.5 [1.16]	83.0 [3.27]	32.0 [1.26]	73.0 [2.88]	66.5 [2.62]	36.0 [1.42]
<u>ZP-MC16B-2-SBHM</u>	16B	115.5 [4.55]	44.0 [1.73]	29.5 [1.16]	103.0 [4.06]	32.0 [1.26]	73.0 [2.88]	86.5 [3.41]	36.0 [1.42]
<u>ZP-MC24B-2-SBHM</u>	24B	142.5 [5.61]	44.0 [1.73]	29.5 [1.16]	130.0 [5.12]	32.0 [1.26]	73.0 [2.88]	113.0 [4.45]	36.0 [1.42]
<u>ZP-MC32B-2-SBHM</u>	32B	124.5 [4.90]	84.5 [3.33]	35.5 [1.40]	110.0 [4.33]	65.0 [2.56]	116.0 [4.57]	87.5 [3.44]	76.5 [3.01]

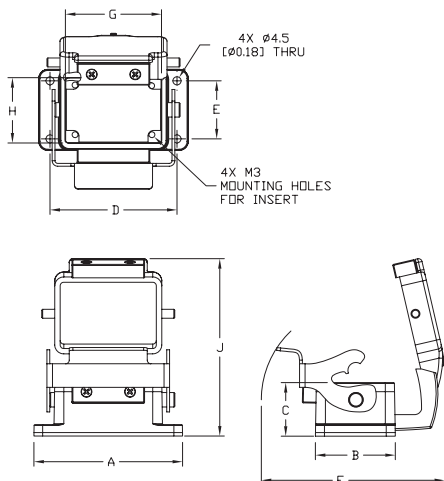
*Dimensions G and H refer to cutout size

Single Lever Bulkhead Base with Cover



Single Lever Bulkhead Base With Cover										
Part Number	Size	A	B	C	D	E	F	G	H	J
<u>ZP-MC06B-2-SBHC</u>	6B	82.0 [3.23]	44.0 [1.73]	29.5 [1.16]	70.0 [2.75]	32.0 [1.26]	101.0 [3.98]	53.0 [2.09]	36.0 [1.42]	88.5 [3.48]
<u>ZP-MC10B-2-SBHC</u>	10B	95.5 [3.76]	44.0 [1.73]	29.5 [1.16]	83.0 [3.27]	32.0 [1.26]	101.0 [3.98]	66.5 [2.62]	36.0 [1.42]	88.5 [3.48]
<u>ZP-MC16B-2-SBHC</u>	16B	115.5 [4.55]	44.0 [1.73]	29.5 [1.16]	103.0 [4.06]	32.0 [1.26]	101.0 [3.98]	86.5 [3.41]	36.0 [1.42]	88.5 [3.48]
<u>ZP-MC24B-2-SBHC</u>	24B	142.5 [5.61]	44.0 [1.73]	29.5 [1.16]	130.0 [5.12]	32.0 [1.26]	101.0 [3.98]	113.0 [4.45]	36.0 [1.42]	88.5 [3.48]
<u>ZP-MC32B-2-SBHC</u>	32B	124.5 [4.90]	84.5 [3.33]	35.5 [1.40]	110.0 [4.33]	65.0 [2.56]	146.0 [5.75]	87.5 [3.44]	76.5 [3.01]	134.5 [5.30]

Single Lever Bulkhead Base with Automatic Cover



Single Lever Bulkhead Base With Automatic Cover										
Part Number	Size	A	B	C	D	E	F	G*	H*	J
<u>ZP-MC06B-2-SBHCA</u>	6B	82.0 [3.23]	44.0 [1.73]	29.5 [1.16]	70.0 [2.75]	32.0 [1.26]	101.0 [3.98]	53.0 [2.09]	36.0 [1.42]	97.8 [3.85]
<u>ZP-MC10B-2-SBHCA</u>	10B	95.5 [3.76]	44.0 [1.73]	29.5 [1.16]	83.0 [3.27]	32.0 [1.26]	101.0 [3.98]	66.5 [2.62]	36.0 [1.42]	97.8 [3.85]
<u>ZP-MC16B-2-SBHCA</u>	16B	115.5 [4.55]	44.0 [1.73]	29.5 [1.16]	103.0 [4.06]	32.0 [1.26]	101.0 [3.98]	86.5 [3.41]	36.0 [1.42]	97.8 [3.85]
<u>ZP-MC24B-2-SBHCA</u>	24B	142.5 [5.61]	44.0 [1.73]	29.5 [1.16]	130.0 [5.12]	32.0 [1.26]	101.0 [3.98]	113.0 [4.45]	36.0 [1.42]	97.8 [3.85]

*Dimensions G and H refer to cutout size

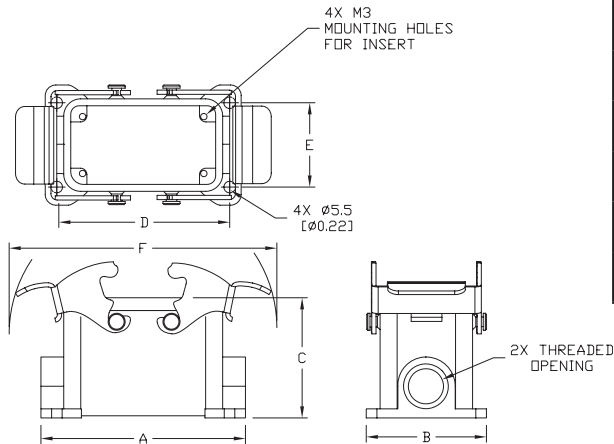


STD Series Multi-Wire Dimensions

Size 10B, 16B, 24B, 32B Bases

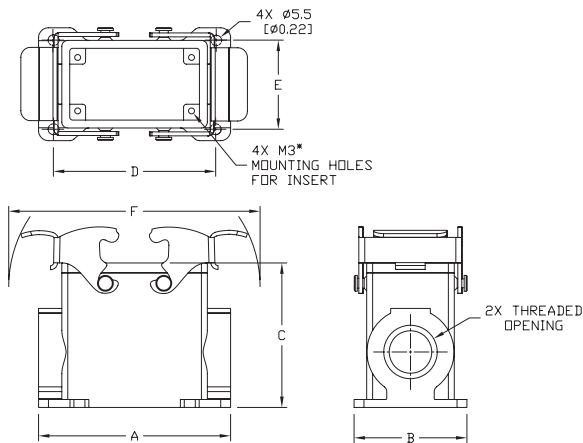
Dimensions mm [in]

Double Lever Surface Mount Base



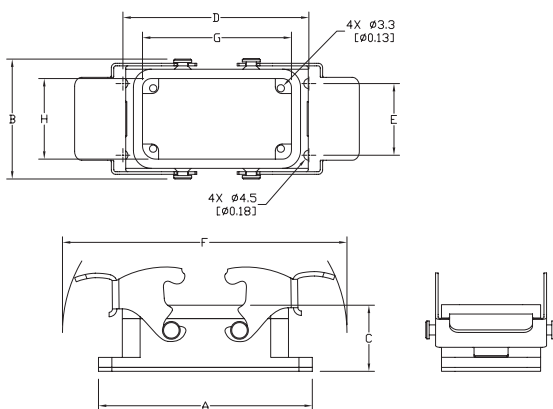
Double Lever Surface Mount Base								
Part Number	Size	Thread	A	B	C	D	E	F
<u>ZP-MC10B-2-DSM16M</u>	10B	Pg 16x2	97.0 [3.82]	57.0 [2.24]	57.0 [2.24]	82.0 [3.23]	40.0 [1.57]	127.0 [5.00]
<u>ZP-MC16B-2-DSM21M</u>	16B	Pg 21x2	117.0 [4.61]	57.0 [2.24]	63.0 [2.48]	105.0 [4.13]	45.0 [1.77]	147.0 [5.79]
<u>ZP-MC24B-2-DSM21M</u>	24B	Pg 21x2	143.5 [5.65]	57.0 [2.24]	63.0 [2.48]	132.0 [5.20]	45.0 [1.77]	174.0 [6.85]
<u>ZP-MC32B-2-DSM36M</u>	32B	Pg 36x2	125.0 [4.92]	84.5 [3.33]	87.5 [3.44]	112.0 [4.41]	67.0 [2.64]	147.0 [5.79]

Double Lever High Construction Surface Mount Base



Double Lever High Construction Surface Mount Base								
Part Number	Size	Thread	A	B	C	D	E	F
<u>ZP-MC10B-2-DSM21ML</u>	10B	Pg 21x2	97.0	57.0	73.0	82.0	45.0	127.0
<u>ZP-MC10B-2-DSM29ML</u>		Pg 29x2	[3.82]	[2.24]	[2.87]	[3.23]	[1.77]	[5.00]
<u>ZP-MC16B-2-DSM21ML</u>	16B	Pg 21x2	117.0	57.0	77.0	105.0	45.0	147.0
<u>ZP-MC16B-2-DSM29ML</u>		Pg 29x2	[4.61]	[2.24]	[3.03]	[4.13]	[1.77]	[5.79]
<u>ZP-MC24B-2-DSM21ML</u>	24B	Pg 21x2	143.5	57.0	80.0	132.0	45.0	174.0
<u>ZP-MC24B-2-DSM29ML</u>		Pg 29x2	[5.65]	[2.24]	[3.15]	[5.20]	[1.77]	[6.85]

Double Lever Bulkhead Base



Double Lever Bulkhead Base									
Part Number	Size	A	B	C	D	E	F	G*	H*
<u>ZP-MC10B-2-DBHM</u>	10B	95.5 [3.76]	53.5 [2.11]	29.5 [1.16]	83.0 [3.27]	32.0 [1.26]	127.0 [5.00]	66.5 [2.62]	36.0 [1.42]
<u>ZP-MC16B-2-DBHM</u>	16B	115.5 [4.55]	53.5 [2.11]	29.5 [1.16]	103.0 [4.05]	32.0 [1.26]	147.0 [5.79]	86.5 [3.41]	36.0 [1.42]
<u>ZP-MC24B-2-DBHM</u>	24B	142.5 [5.61]	53.5 [2.11]	29.5 [1.16]	130.0 [5.19]	32.0 [1.26]	174.0 [6.85]	113.0 [4.45]	36.0 [1.42]
<u>ZP-MC32B-2-DBHM</u>	32B	124.5 [4.90]	84.5 [3.33]	35.5 [1.40]	110.0 [4.33]	65.0 [2.56]	147.0 [5.79]	87.5 [3.44]	76.5 [3.01]

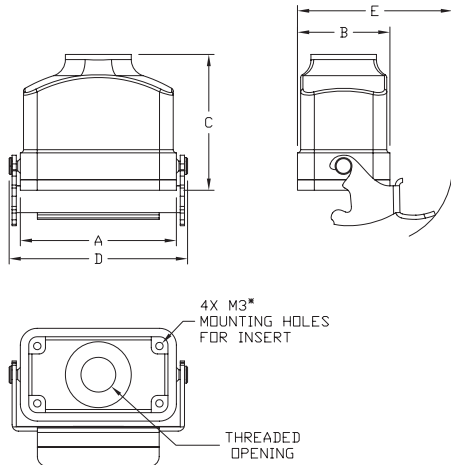
*Dimensions G and H refer to cutout size

ZIP^{port} STD Series Multi-Wire Dimensions

Size 6B, 10B, 16B, 24B, 32B Couplers

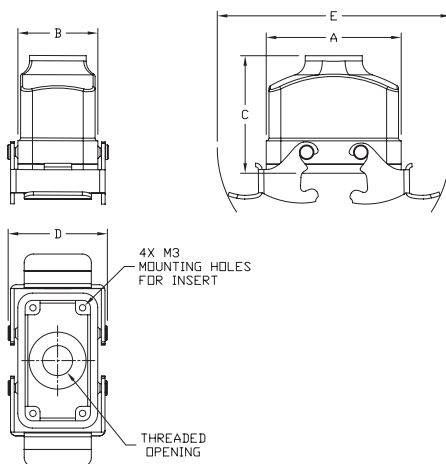
Dimensions mm [in]

Single Lever Coupler



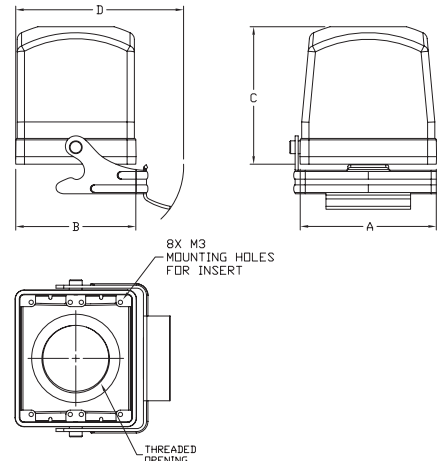
Single Lever Coupler							
Part Number	Size	Thread	A	B	C	D	E
<u>ZP-MC06B-2-SCP16M</u>	6B	Pg 16	60.0 [2.36]	43.5 [1.71]	59.0 [2.32]	70.5 [2.78]	73.0 [2.87]
<u>ZP-MC10B-2-SCP16M</u>	10B	Pg 16	73.5 [2.89]	43.5 [1.71]	64.0 [2.52]	84.0 [3.31]	73.0 [2.87]
<u>ZP-MC16B-2-SCP21M</u>	16B	Pg 21	94.0 [3.70]	43.5 [1.71]	64.0 [2.52]	104.0 [4.10]	73.0 [2.87]
<u>ZP-MC24B-2-SCP21M</u>	24B	Pg 21	120.5 [4.74]	43.5 [1.71]	74.0 [2.91]	131.0 [5.16]	73.0 [2.87]

Double Lever Coupler



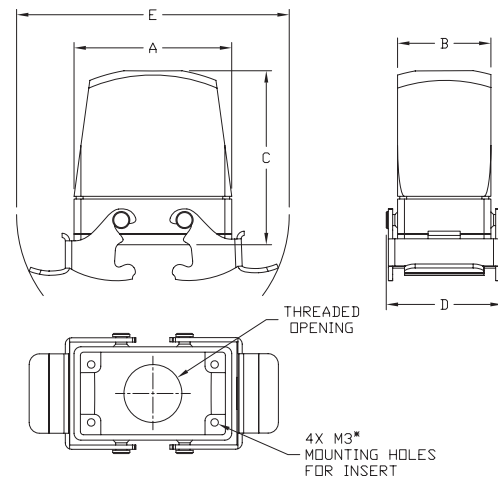
Double Lever Coupler							
Part Number	Size	Thread	A	B	C	D	E
<u>ZP-MC10B-2-DCP16M</u>	10B	Pg 16	73.5 [2.89]	43.5 [1.71]	64.0 [2.52]	54.0 [2.13]	127.0 [5.00]
<u>ZP-MC16B-2-DCP21M</u>	16B	Pg 21	94.0 [3.70]	43.5 [1.71]	64.0 [2.52]	54.0 [2.13]	147.0 [5.79]
<u>ZP-MC24B-2-DCP21M</u>	24B	Pg 21	120.5 [4.74]	43.5 [1.71]	74.0 [2.91]	54.0 [2.13]	174.0 [6.85]

Single Lever High Construction Coupler



Single Lever High Construction Coupler							
Part Number	Size	Thread	A	B	C	D	E
<u>ZP-MC32B-2-SCP36M</u>	32B	Pg 36	94.0 [3.70]	83.0 [3.27]	95.0 [3.74]	104.5 [4.11]	116.0 [4.57]

Double Lever High Construction Coupler



Double Lever High Construction Coupler							
Part Number	Size	Thread	A	B	C	D	E
<u>ZP-MC10B-2-DCP21ML</u>	10B	Pg 21	73.5 [2.89]	43.5 [1.71]	81.0 [3.19]	54.0 [2.13]	127.0 [5.00]
<u>ZP-MC16B-2-DCP21ML</u>	16B	Pg 21	94.0 [3.70]	43.5 [1.71]	81.0 [3.19]	54.0 [2.13]	147.0 [5.79]
<u>ZP-MC16B-2-DCP29ML</u>		Pg 29	94.0 [3.70]	43.5 [1.71]	81.0 [3.19]	54.0 [2.13]	147.0 [5.79]
<u>ZP-MC24B-2-DCP21ML</u>	24B	Pg 21	120.5 [4.74]	43.5 [1.71]	81.0 [3.19]	54.0 [2.13]	174.0 [6.85]
<u>ZP-MC24B-2-DCP29ML</u>		Pg 29	120.5 [4.74]	43.5 [1.71]	81.0 [3.19]	54.0 [2.13]	174.0 [6.85]
<u>ZP-MC32B-2-DCP36M</u>	32B	Pg 36	94.0 [3.70]	83.0 [3.27]	95.0 [3.74]	93.5 [3.68]	147.0 [5.79]

* To convert to NPT thread see the adapter in the accessories section

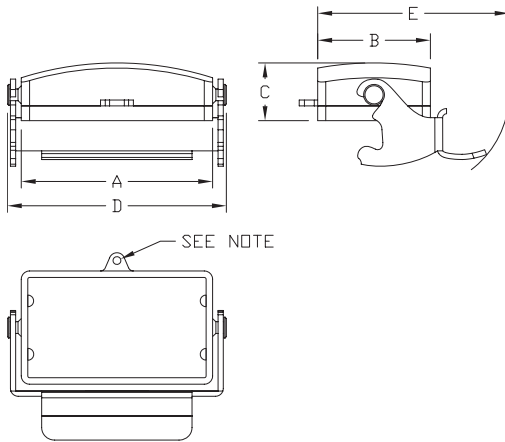


STD Series Multi-Wire Dimensions

Size 6B, 10B, 16B, 24B, 32B Covers

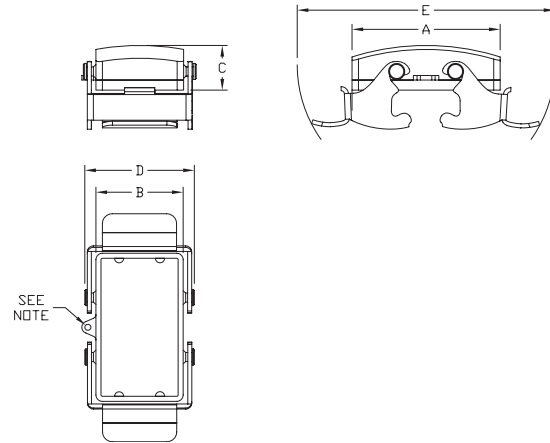
Dimensions mm [in]

Single Lever Cover



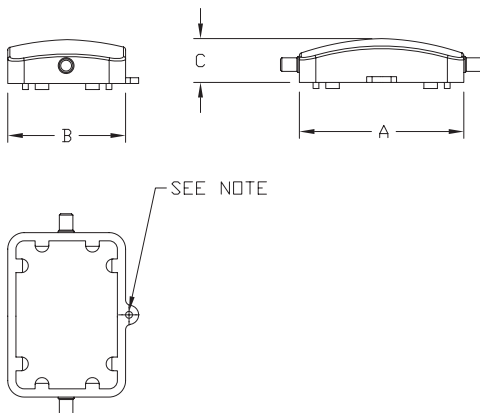
Single Lever Cover						
Part Number	Size	A	B	C	D	E
<u>ZP-MC06B-2-SCVLM</u>	6B	60.0 [2.36]	43.0 [1.69]	22.0 [0.87]	70.5 [2.78]	73.0 [2.87]
<u>ZP-MC10B-2-SCVLM</u>	10B	73.0 [2.88]	43.0 [1.69]	22.0 [0.87]	83.5 [3.29]	73.0 [2.87]
<u>ZP-MC16B-2-SCVLM</u>	16B	94.0 [3.70]	43.0 [1.69]	22.0 [0.87]	104.0 [4.09]	73.0 [2.87]
<u>ZP-MC24B-2-SCVLM</u>	24B	120.0 [4.72]	43.0 [1.69]	23.0 [0.91]	130.5 [5.14]	73.0 [2.87]
<u>ZP-MC32B-2-SCVLM</u>	32B	94.0 [3.70]	83.0 [3.27]	24.0 [0.94]	104.5 [4.11]	116.0 [4.57]

Double Lever Cover



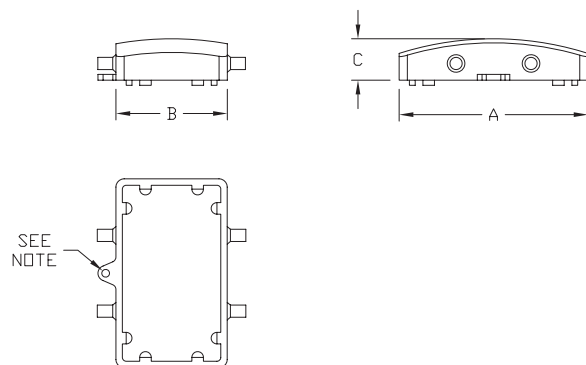
Double Lever Cover						
Part Number	Size	A	B	C	D	E
<u>ZP-MC10B-2-DCVLM</u>	10B	73.0 [2.87]	43.0 [1.69]	22.0 [0.87]	54.0 [2.13]	127.0 [5.00]
<u>ZP-MC16B-2-DCVLM</u>	16B	94.0 [3.70]	43.0 [1.69]	22.0 [0.87]	54.0 [2.13]	147.0 [5.79]
<u>ZP-MC24B-2-DCVLM</u>	24B	120.0 [4.72]	43.0 [1.69]	23.0 [0.91]	54.0 [2.13]	174.0 [6.85]
<u>ZP-MC32B-2-DCVLM</u>	32B	94.0 [3.70]	83.0 [3.27]	24.0 [0.94]	93.5 [3.68]	147.0 [5.79]

Two Peg Cover



Two Peg Cover				
Part Number	Size	A	B	C
<u>ZP-MC06B-2-SCVPM</u>	6B	60.0 [2.36]	43.0 [1.69]	16.0 [0.63]
<u>ZP-MC10B-2-SCVPM</u>	10B	73.0 [2.87]	43.0 [1.69]	16.0 [0.63]
<u>ZP-MC16B-2-SCVPM</u>	16B	94.0 [3.70]	43.0 [1.69]	16.0 [0.63]
<u>ZP-MC24B-2-SCVPM</u>	24B	120.0 [4.72]	43.0 [1.69]	17.0 [0.67]
<u>ZP-MC32B-2-SCVPM</u>	32B	94.0 [3.70]	83.0 [3.27]	18.0 [0.71]

Four Peg Cover



Four Peg Cover				
Part Number	Size	A	B	C
<u>ZP-MC10B-2-DCVPM</u>	10B	73.0 [2.87]	43.0 [1.69]	16.0 [0.63]
<u>ZP-MC16B-2-DCVPM</u>	16B	94.0 [3.70]	43.0 [1.69]	16.0 [0.63]
<u>ZP-MC24B-2-DCVPM</u>	24B	120.0 [4.72]	43.0 [1.69]	17.0 [0.67]
<u>ZP-MC32B-2-DCVPM</u>	32B	94.0 [3.70]	83.0 [3.27]	18.0 [0.71]

Note: Includes attached 112 mm [4.40 inch] nylon cord with ring terminal