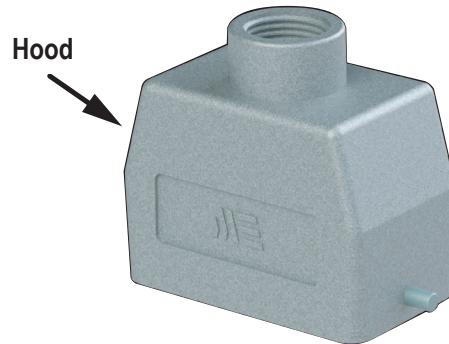




# Multi-Wire Connectors

## 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

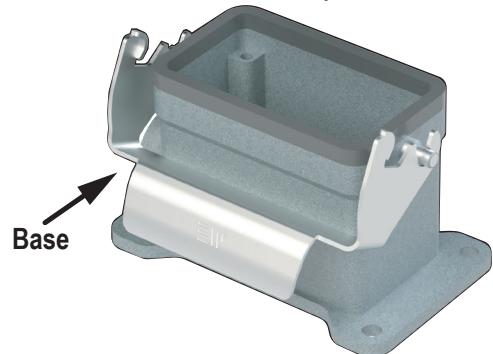
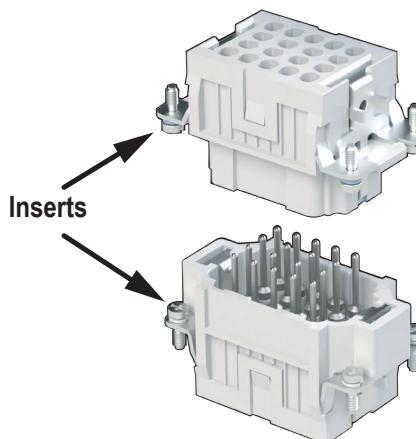
- Available with top entry and side entry cable passages
- Standard profiles
- Threaded cable passages with NPT threads
- Stainless steel or thermoplastic locking pegs

### 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.



# 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

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.

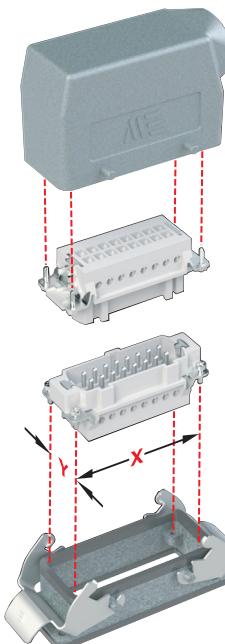
### Housings

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
<b>3A</b>	21 x 21mm* [0.83 x 0.83in]
<b>10A</b>	49.5 x 16mm [1.95 x 0.63in]
<b>16A</b>	66 x 16mm [2.60 x 0.63in]
<b>6B</b>	44 x 27mm [1.73 x 1.06in]
<b>10B</b>	57 x 27mm [2.24 x 1.06in]
<b>16B</b>	77.5 x 27mm [3.05 x 1.06in]
<b>24B</b>	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.



# Multi-Wire Connectors

## Conductor Termination

### Overview

Two types of conductor termination are available for METEcon inserts:

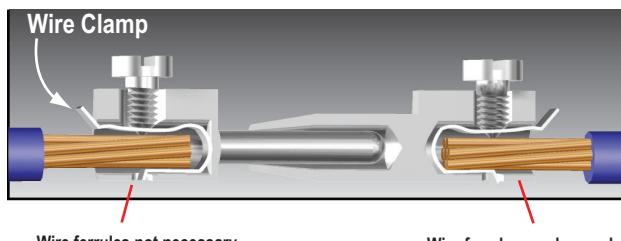
- Screw terminations
- Crimp terminations

### 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 [in]
	(mm <sup>2</sup> )	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 <sup>2</sup> [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	1.2 [10.6]	Ph 2 1.0 x 5.5			
16B	35 Amp Terminal	M4		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 mm <sup>2</sup> [16 AWG] 1.2 [10.6]	1.0 x 5.5	TW-SD-VSL-4		
			2.5 mm <sup>2</sup> [14 AWG] 2 [17.7]				
			4-16 mm <sup>2</sup> [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	M4	1.2 [10.6]	Ph 2 1.0 x 5.5	TW-SD-VSL-4		

### 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.



# Multi-Wire Connectors

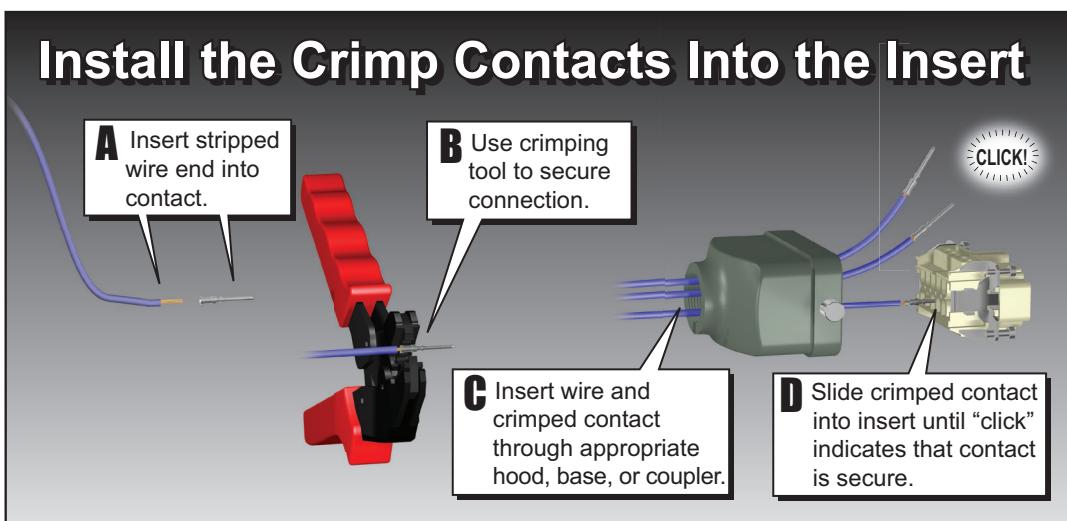
## Crimp Contact to Insert Installation

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 the gauge of wire being used.

### **Step 2:**

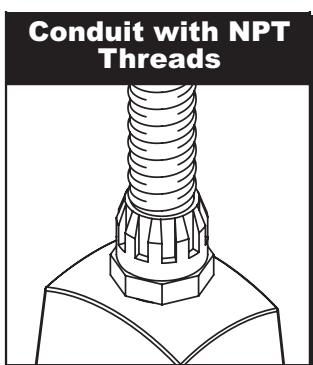


### **Step 3: Install the Insert into the Housing**

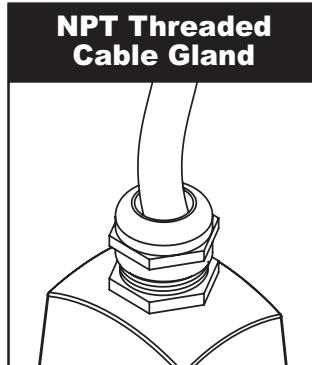
Now that the crimp contacts are installed, the Insert can be placed into the housing by aligning the corner installation screws of the insert with the screw holes located in the corners of the housing. Tighten the screws according to the tightening torques listed in the Insert Screw Specifications table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

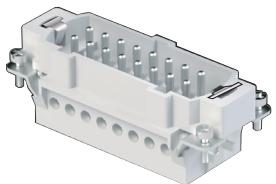


Housing  
(Size 16B Hood)

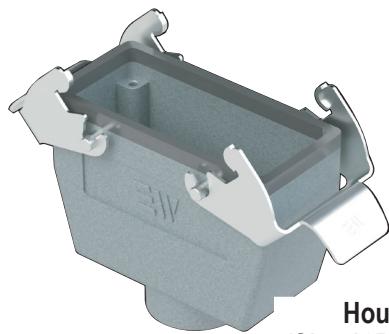
Strain Relief  
(Cable Gland  
Optional)



Female Insert  
(Screw Type)



Male Insert  
(Screw Type)



Housing  
(Size 16B Coupler)



Strain Relief  
(Cable Gland  
Optional)

## Crimp Contact Basic Assembly



Strain Relief  
(Cable Gland  
Optional)



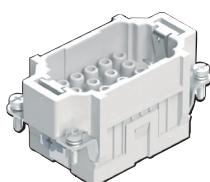
Housing  
(Size 10B Hood)



Crimp Contacts  
(Female Contact)



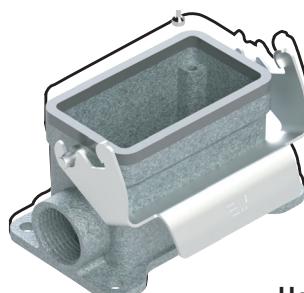
Female Insert  
(Crimp Type)



Male Insert  
(Crimp Type)



Crimp Contacts  
(Male Contact)



Strain Relief  
(Cable Gland  
Optional)



Housing  
(Size 10B Surface  
Mount)



# Multi-Wire Connectors Specifications

Technical Characteristics										
Connector Size		3A		10A		16A				
<b>Inserts</b>	<b>Number of Poles</b>	2+PE	3+PE	4+ PE	10+PE	15+PE	16+PE			
	<b>UL/CSA Rated Voltage*</b>	600 VAC/VDC								
	<b>Maximum Rated Current</b>	10 amp		16 amp	10 amp	16 amp	10 amp			
	<b>EN 61984 (2001-11)</b>	<b>Rated Voltage AC/DC</b>	250 / 400V		250V					
	<b>Pollution Degree 3</b>	<b>Impulse Withstand Voltage</b>	4kV							
	<b>Continuous Current Carrying Capacity</b>		Refer to Electrical Engineering section charts							
	<b>Insulation Resistance</b>		$\geq 10^{10} \Omega$							
	<b>Material</b>		Polycarbonate							
	<b>Temperature Range</b>		-40 to 125°C [-40 to 257°F]							
	<b>Flammability</b>		UL 94 V-0							
	<b>Degree Protection</b>	<b>With Housing</b>	IP65							
		<b>Without Housing</b>	IP20							
	<b>Mechanical Working Life</b>		$\geq 500$ Cycles							
<b>Contacts</b>	<b>Conductor Termination</b>	<b>Screw Terminals</b>	√	√	√	√	N/A			
		<b>Crimp Contacts</b>	N/A	N/A	N/A	√	N/A			
	<b>Material</b>		Silver-plated copper alloy							
	<b>Minimum Recommended Load (voltage &amp; current)</b>		5V / 5mA AC/DC							
	<b>Contact Resistance</b>		$\leq 1m\Omega$		$\leq 1m\Omega$	$\leq 3m\Omega$	$\leq 1m\Omega$			
	<b>Screw Terminal Wire Size</b>	<b>mm<sup>2</sup></b>	1.0 - 2.5		1.0 - 2.5	N/A	1.0 - 2.5			
		<b>AWG</b>	18 - 14		18 - 14	N/A	18 - 14			
	<b>Screw Terminal Tightening Test Torque N·m [in·lb]</b>		0.5 [4.4]		0.5 [4.4]	N/A	0.5 [4.4]			
	<b>Screw Terminal Stripping Length (mm)</b>		7	N/A	7	N/A	7			
	<b>Crimp Terminal Wire Size</b>	<b>mm<sup>2</sup></b>	N/A		N/A	0.14 - 2.5	N/A			
		<b>AWG</b>	N/A		N/A	26 - 14	N/A			
	<b>Crimp Terminal Stripping Length (mm)</b>		N/A		N/A	8	N/A			
<b>Thermoplastic Hoods/Bases/Couplers/Covers</b>	<b>Material</b>		Polycarbonate							
	<b>Locking Element</b>		PA66							
	<b>Flammability</b>		UL 94 V-0							
	<b>Housings Seal</b>		NBR (Nitrile rubber)							
	<b>Degree of Protection Acc. to EN 60529 (coupled)</b>		IP65							
	<b>Temperature Range</b>		-40 to 125°C [-40 to 257°F]							
	<b>Thread</b>		Metric EN 50262 Pg DIN 40430							
<b>Aluminum Hoods/Bases/Couplers/Covers</b>	<b>Material</b>		Die cast aluminum alloy							
	<b>Locking Element</b>		Stainless steel		PA66					
	<b>Housings Seal</b>		NBR (Nitrile)							
	<b>Degree of Protection Acc. to EN 60529 (coupled)</b>		IP65							
	<b>NEMA 250, UL50, 50E</b>									
	<b>Temperature Range</b>		-40 to 125°C [-40 to 257°F]							
	<b>Thread</b>		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	<b>Number of Poles</b>		6+PE	10+PE	24+PE	10+PE	18+PE	42+PE	6+PE	16+PE	32+PE	40+PE	72+PE										
	<b>UL/CSA Rated Voltage*</b>		600 VAC/VDC																				
	<b>Maximum Rated Current</b>		16A	10A	16A	10A	35A	16A	10A														
	<i>EN 61984 (2001-11) Pollution Degree 3</i>	<b>Rated Voltage AC/DC</b>	500V		250V	500V		250V	400/690V		500V	250V											
		<b>Impulse Withstand Voltage</b>		6kV	4kV	6kV	4kV	6kV		4kV													
	<b>Continuous Current Carrying Capacity</b>		Refer to Electrical Engineering section charts																				
	<b>Insulation Resistance</b>		$\geq 10^{10} \Omega$																				
	<b>Material</b>		PBT	Polycarbonate	PBT	Polycarbonate	PBT		Polycarbonate														
	<b>Temperature Range</b>		-40 to 125°C [-40 to 257°F]																				
	<b>Flammability</b>		UL 94 V-0																				
Contacts	<b>Degree Protection</b>	<b>With Housing</b>		IP65																			
		<b>Without Housing</b>		IP20																			
	<b>Mechanical Working Life</b>		500 Cycles																				
	<b>Conductor Termination</b>	<b>Screw Terminals</b>		√	N/A	N/A	√	N/A	N/A	√	√	N/A	N/A	N/A									
		<b>Crimp Contacts</b>		N/A	√	√	N/A	√	√	N/A	N/A	√	√										
	<b>Material</b>		Hard-silver plated (2μm Au) or gold plated copper alloy																				
	<b>Minimum Recommended Load (voltage &amp; current)</b>		5V / 5mA AC/DC																				
	<b>Contact Resistance</b>		$\leq 1\text{m}\Omega$		$\leq 3\text{m}\Omega$	$\leq 1\text{m}\Omega$		$\leq 3\text{m}\Omega$	$\leq 1\text{m}\Omega$		$\leq 3\text{m}\Omega$												
	<b>Screw Terminal Wire Size</b>	<b>mm<sup>2</sup></b>		1.0 - 2.5	N/A		1.0 - 2.5	N/A		4.0-6.0	1.0-2.5	N/A											
		<b>AWG</b>		18 - 14	N/A		18 - 14	N/A		12 - 10	18 - 14	N/A											
Aluminum Hoods/Bases/ Cuppers/Covers	<b>Screw Terminal Tightening Test Torque N·m [in·lb]</b>		0.5 [4.4]	N/A		0.5 [4.4]	N/A		1.2 [10.6]	0.5 [4.4]	N/A												
	<b>Screw Terminal Stripping Length 9mm)</b>		7	N/A		7	N/A		7	7	N/A												
	<b>Crimp Terminal Wire Size</b>	<b>mm<sup>2</sup></b>		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										
		<b>AWG</b>		N/A	26 - 12	26 - 14	N/A	26 - 12	26 - 14	N/A	N/A	26 - 12	26 - 14										
	<b>Crimp Terminal Stripping Length (mm)</b>		N/A	7.5	8	N/A	7.5	8	N/A	N/A	7.5	8											
	<b>Material</b>		Die cast aluminum alloy																				
	<b>Locking Element</b>		Carbon steel																				
	<b>Housings Seal</b>		NBR (Nitrile)																				
	<b>Degree of Protection Acc. to EN 60529</b>		IP65																				
	<b>Temperature Range</b>		-40 to 125°C [-40 to 257°F]																				
	<b>Thread</b>		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	<b>Number of Poles</b>	4+8+PE	24+PE	46+PE	64+PE	108+PE						
	<b>UL/CSA Rated Voltage*</b>	600 VAC/VDC										
	<b>Maximum Rated Current</b>	Power: 80A / Signal: 16A	16A		10A							
	<b>EN 61984 (2001-11) Pollution Degree 3</b>	Rated Voltage AC/DC	690V / 400V	500V	250V							
	<b>Impulse Withstand Voltage</b>	8kV / 6kV	6kV		4kV							
	<b>Continuous Current Carrying Capacity</b>	Refer to Electrical Engineering section charts										
	<b>Insulation Resistance</b>	$\geq 10^{10} \Omega$										
	<b>Material</b>	PBT		Polycarbonate								
	<b>Temperature Range</b>	-40 to 125°C [-40 to 257°F]										
	<b>Flammability</b>	UL 94 V-0										
Contacts	<b>Degree Protection</b>	With Housing	IP65									
		Without Housing	IP20									
	<b>Mechanical Working Life</b>	500 Cycles										
	<b>Conductor Termination</b>	Screw Terminals	√	√	N/A	N/A	N/A					
		Crimp Contacts	N/A	N/A	√	√	√					
	<b>Material</b>	Hard-silver plated copper alloy										
	<b>Minimum Recommended Load (voltage &amp; current)</b>	5V / 5mA AC/DC										
	<b>Contact Resistance</b>	Signal $\leq 1\text{m}\Omega$ Power $\leq 0.3\text{m}\Omega$	≤ 1mΩ	≤ 1mΩ	≤ 1mΩ	≤ 3mΩ	≤ 3mΩ					
	<b>Screw Terminal Wire Size</b>	mm <sup>2</sup>	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					
Aluminum Hoods/ Bases/Couplers/ Covers	<b>Screw Terminal Tightening Test Torque N·m [in-lb]</b>		Signal: 1.0-2.5 mm <sup>2</sup> [18-14 AWG] 0.5 [4.4] Power: 1.5 mm <sup>2</sup> [16 AWG] 1.2 [10.6] 2.5 mm <sup>2</sup> [14 AWG] 2 [17.7] 4-16 mm <sup>2</sup> [12-6 AWG] 3 [26.6]	0.5 [4.4]	N/A	N/A	N/A					
	<b>Screw Terminal Stripping Length (mm)</b>		Signal 7.5 Power 14	7	N/A	N/A	N/A					
	<b>Crimp Terminal Wire Size</b>	mm <sup>2</sup>	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					
	<b>Crimp Terminal Stripping Length (mm)</b>		N/A	N/A	7.5	8	8					
	<b>Material</b>	Die cast aluminum alloy										
	<b>Locking Element</b>	Carbon steel										
	<b>Housings Seal</b>	NBR (Nitrile)										
	<b>Degree of Protection Acc. to EN 60529 (coupled) NEMA 250, UL50, 50E</b>	IP65										
	<b>Temperature Range</b>	-40 to 125°C [-40 to 257°F]										
	<b>Thread</b>	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	<a href="#">29007</a>	<a href="#">29009</a>	<a href="#">29011</a>
	Price	\$2.25	\$3.00	\$3.50
	Drawing Link	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
	Weight g [oz]	11.79 [0.42]	13.61 [0.48]	14.06 [0.50]
Female	Part Number	<a href="#">29006</a>	<a href="#">29008</a>	<a href="#">29010</a>
	Price	\$3.00	\$3.00	\$3.50
	Drawing Link	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
	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	<a href="#">290173105</a>	\$4.50	METE size 3A single lever connector housings with female inserts	27.67 [0.98]	<a href="#">PDF</a>
Coupler (for female inserts), Top Entry, (Single Lever)	(1) 3/8 NPT threaded hole	<a href="#">290153105S</a>	\$6.50	METE size 3A 2-peg connector housings with male inserts	36.29 [1.28]	<a href="#">PDF</a>
Bulkhead Base (for female inserts), (Single Lever)	N/A	<a href="#">29013S</a>	\$5.50	METE size 3A 2-peg connector housings with male inserts	21.32 [0.75]	<a href="#">PDF</a>
Bulkhead Base (for female inserts), Right-Angle, (Single Lever)	N/A	<a href="#">29014S</a>	\$6.00	METE size 3A 2-peg connector housings with male inserts	28.12 [0.99]	<a href="#">PDF</a>



# Multi-Wire Connectors Size 10A

[29421](#)[29420](#)[294213015](#)[294203015](#)

## 10A Inserts

<b>Insert Type</b>	<b>No. of Poles</b>	10+PE	15+PE
	<b>Rated Voltage AC/DC</b>	600 VAC/VDC	600 VAC/VDC
	<b>Max. Rated Current</b>	16 amp	10 amp
	<b>Termination Type</b>	Screw Terminals	Crimp Contacts
<b>Male</b>	<b>Part Number</b>	<a href="#">29421</a>	<a href="#">294213015</a>
	<b>Price</b>	\$7.50	\$9.50
	<b>Drawing Link</b>	<a href="#">PDF</a>	<a href="#">PDF</a>
	<b>Crimp Contact Size*</b>	N/A	10 Amp METE 14104xxx series
	<b>Weight g [oz]</b>	48.54 [1.71]	27.67 [0.98]
<b>Female</b>	<b>Part Number</b>	<a href="#">29420</a>	<a href="#">294203015</a>
	<b>Price</b>	\$8.50	\$10.00
	<b>Drawing Link</b>	<a href="#">PDF</a>	<a href="#">PDF</a>
	<b>Crimp Contact Size*</b>	N/A	10 Amp METE 14103xxx series
	<b>Weight g [oz]</b>	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

<b>Housing Component</b>	<b>Threaded Opening</b>	<b>Part Number</b>	<b>Price</b>	<b>Works With</b>	<b>Weight g [oz]</b>	<b>Drawing Link</b>
<b>Hood, Top Entry, (2-Peg)</b>	(1) 1/2 NPT threaded hole	<a href="#">2935423005</a>	\$9.00	METE size 10A single lever connector housings	90.72 [3.20]	<a href="#">PDF</a>
<b>Hood, Side Entry, (2-Peg)</b>	(1) 1/2 NPT threaded hole	<a href="#">2935323005</a>	\$8.50	METE size 10A single lever connector housings	90.72 [3.20]	<a href="#">PDF</a>
<b>Surface Mount, Side Entry, (Single Lever)</b>	(1) 1/2 NPT threaded hole	<a href="#">2935223005</a>	\$12.00	METE size 10A 2-peg connector housings	113.85 [4.02]	<a href="#">PDF</a>
<b>Bulkhead Base, (Single Lever)</b>	N/A	<a href="#">293502</a>	\$6.50	METE size 10A 2-peg connector housings	55.79 [1.97]	<a href="#">PDF</a>



# 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	<a href="#">29423</a>	<a href="#">294233025</a>
	Price	\$11.50	\$10.50
	Drawing Link	<a href="#">PDF</a>	<a href="#">PDF</a>
	Crimp Contact Size*	N/A	10 Amp METE 14104xxx series
	Weight g [oz]	64.64 [2.28]	32.89 [1.16]
Female	Part Number	<a href="#">29422</a>	<a href="#">294223025</a>
	Price	\$12.00	\$11.00
	Drawing Link	<a href="#">PDF</a>	<a href="#">PDF</a>
	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	<a href="#">2936323005</a>	\$9.50	METE size 16A single lever connector housings	113.85 [4.02]	<a href="#">PDF</a>
Hood, Top Entry, (2-Peg)	(1) 1/2 NPT threaded hole	<a href="#">2936423005</a>	\$10.00	METE size 16A single lever connector housings	114.76 [4.05]	<a href="#">PDF</a>
Surface Mount, Side Entry, (Single Lever)	(1) 1/2 NPT threaded hole	<a href="#">2936223005</a>	\$13.00	METE size 16A 2-peg connector housings	137.44 [4.85]	<a href="#">PDF</a>
Bulkhead Base, (Single Lever)	N/A	<a href="#">293602</a>	\$8.50	METE size 16A 2-peg connector housings	63.50 [2.24]	<a href="#">PDF</a>



# 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	<a href="#">29121</a>	<a href="#">291213010</a>	<a href="#">291213024</a>
	Price	\$5.50	\$6.00	\$11.50
	Drawing Link	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
	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	<a href="#">29120</a>	<a href="#">291203010</a>	<a href="#">291203024</a>
	Price	\$5.50	\$6.50	\$12.00
	Drawing Link	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
	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	<a href="#">291353005</a>	\$8.50	METE size 6B single lever connector housings	104.78 [3.70]	<a href="#">PDF</a>
Hood Housing, Side Entry, (2-Peg), Aluminum	(1) 1/2 NPT threaded hole	<a href="#">291313005</a>	\$5.50	METE size 6B single lever connector housings	107.05 [3.78]	<a href="#">PDF</a>
Surface Mount, Side Entry, (Single Lever), Aluminum	(1) 1/2 NPT threaded hole	<a href="#">291333005S</a>	\$12.00	METE size 6B 2-peg connector housings	164.66 [5.81]	<a href="#">PDF</a>
Bulkhead Base, (Single Lever), Aluminum	N/A	<a href="#">29130S</a>	\$6.00	METE size 6B 2-peg connector housings	89.59 [3.16]	<a href="#">PDF</a>
Coupler, Top Entry, (Single Lever), Aluminum	(1) 1/2 NPT threaded hole	<a href="#">291403005S</a>	\$12.00	METE size 6B 2-peg connector housings	135.85 [4.79]	<a href="#">PDF</a>
Cover, (2-Peg), Plastic	N/A	<a href="#">29644</a>	\$1.75	METE size 6B single lever connector housings	13.52 [0.48]	<a href="#">PDF</a>
Cover, (Single Lever), Plastic	N/A	<a href="#">29646S</a>	\$4.50	METE size 6B 2-peg connector housings	46.27 [1.63]	<a href="#">PDF</a>



# Multi-Wire Connectors

## Size 10B

[29021](#)[29020](#)[290213018](#)[290203018](#)[290213042](#)[290203042](#)

### 10B Inserts

	No. of Poles	10+PE	18+PE	42+PE
Insert Type	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
Male	Part Number	<a href="#">29021</a>	<a href="#">290213018</a>	<a href="#">290213042</a>
	Price	\$7.00	\$7.00	\$14.00
	Drawing Link	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
	Crimp Contact Size*	N/A	16 Amp METE 14106xxx series	10 Amp METE 14103xxx series
Female	Weight g [oz]	69.40 [2.45]	49.44 [1.74]	44.23 [1.56]
	Part Number	<a href="#">29020</a>	<a href="#">290203018</a>	<a href="#">290203042</a>
	Price	\$7.00	\$7.50	\$15.00
	Drawing Link	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
	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

[293543005](#)[293533005](#)[293513005S](#)[29350S](#)[293563005S](#)[291453005](#)[290413005](#)[290543005S](#)[29040S](#)[291503005S](#)[29650](#)[29653S](#)

### 10B Hoods and Housings

<i>Housing Component</i>	<i>Threaded Opening</i>	<i>Part Number</i>	<i>Price</i>	<i>Works With</i>	<i>Weight g [oz]</i>	<i>Drawing Link</i>
<i>Single Lever / 2 Pegs</i>	<i>Hood, Top Entry, (2-Peg), Aluminum</i>	(1) 1/2 NPT threaded hole	<a href="#">293543005</a>	\$10.50	METE size 10B single lever connector housings	134.72 [4.75] <a href="#">PDF</a>
	<i>Hood, Side Entry, (2-Peg) Aluminum</i>	(1) 1/2 NPT threaded hole	<a href="#">293533005</a>	\$10.00	METE size 10B single lever connector housings	146.51 [5.17] <a href="#">PDF</a>
	<i>Surface Mount, Side Entry, (Single Lever), Aluminum</i>	(1) 1/2 NPT threaded hole	<a href="#">293513005S</a>	\$17.50	METE size 10B 2-peg connector housings	190.97 [6.74] <a href="#">PDF</a>
	<i>Bulkhead Base, (Single Lever), Aluminum</i>	N/A	<a href="#">29350S</a>	\$10.50	METE size 10B 2-peg connector housings	106.60 [3.76] <a href="#">PDF</a>
	<i>Coupler, Top Entry, (Single Lever), Aluminum</i>	(1) 1/2 NPT threaded hole	<a href="#">293563005S</a>	\$14.50	METE size 10B 2-peg connector housings	172.37 [6.08] <a href="#">PDF</a>
<i>Double Lever / 4 Pegs</i>	<i>Hood, Top Entry, (4-Peg), Aluminum</i>	(1) 1/2 NPT threaded hole	<a href="#">291453005</a>	\$10.00:	METE size 10B double lever connector housings	132.00 [4.66] <a href="#">PDF</a>
	<i>Hood, Side Entry, (4-Peg), Aluminum</i>	(1) 1/2 NPT threaded hole	<a href="#">290413005</a>	\$7.50	METE size 10B double lever connector housings	145.15 [5.12] <a href="#">PDF</a>
	<i>Surface Mount, Side Entry, (Double Lever), Aluminum</i>	(1) 1/2 NPT threaded hole	<a href="#">290543005S</a>	\$15.50:	METE size 10B 4-peg connector housings	205.48 [7.25] <a href="#">PDF</a>
	<i>Bulkhead Base, Double Lever, Aluminum</i>	N/A	<a href="#">29040S</a>	\$8.50	METE size 10B 4-peg connector housings	120.20 [4.24] <a href="#">PDF</a>
	<i>Coupler, Top Entry, (Double Lever), Aluminum</i>	(1) 1/2 NPT threaded hole	<a href="#">291503005S</a>	\$16.50:	METE size 10B 4-peg connector housings	165.11 [5.82] <a href="#">PDF</a>
	<i>Cover, (4-Peg), Plastic</i>	N/A	<a href="#">29650</a>	\$1.75:	METE size 10B double lever connector housings	15.42 [0.54] <a href="#">PDF</a>
	<i>Cover, (Double Lever), Plastic</i>	N/A	<a href="#">29653S</a>	\$5.50	METE size 10B 4-peg connector housings	69.85 [2.46] <a href="#">PDF</a>



# Multi-Wire Connectors

## Size 16B

**[29125](#)****[29023](#)****[290233032](#)****[290233040](#)****[290233072](#)****[29124](#)****[29022](#)****[290223032](#)****[290223040](#)****[290223072](#)**

### 16B Inserts

	6+PE	16+PE	32+PE	40+PE	72+PE
<b>Insert Type</b>	<b>Rated Voltage</b>	600 VAC/VDC	600 VAC/VDC	600 VAC/VDC	600 VAC/VDC
	<b>Max. Rated Current</b>	35 amp	16 amp	16 amp	10 amp
	<b>Termination Type</b>	Screw Terminals	Screw Terminals	Crimp Contacts	Crimp Contacts
<b>Male</b>	<b>Part Number</b>	<b><a href="#">29125</a></b>	<b><a href="#">29023</a></b>	<b><a href="#">290233032</a></b>	<b><a href="#">290233040</a></b>
	<b>Price</b>	\$15.50	\$9.00	\$14.50	\$12.50:
	<b>Drawing Link</b>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
	<b>Crimp Contact Size*</b>	N/A	N/A	16 Amp METE 14106xxx series	10 Amp METE 14104xxx series
	<b>Weight g [oz]</b>	80.74 [2.85]	92.99 [3.28]	58.51 [2.06]	50.35 [1.78]
<b>Female</b>	<b>Part Number</b>	<b><a href="#">29124</a></b>	<b><a href="#">29022</a></b>	<b><a href="#">290223032</a></b>	<b><a href="#">290223040</a></b>
	<b>Price</b>	\$16.00	\$9.50	\$15.00	\$13.00
	<b>Drawing Link</b>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
	<b>Crimp Contact Size*</b>	N/A	N/A	16 Amp METE 14105xxx series	10 Amp METE 14103xxx series
	<b>Weight g [oz]</b>	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

[293642905](#)[293632905](#)[293612905S](#)[29360S](#)[293662905S](#)[291552905](#)[290432905](#)[290562905S](#)[29042S](#)[291602905S](#)[29651](#)[29654S](#)

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	<a href="#">293642905</a>	\$11.50	METE size 16B single lever connector housings	167.83 [5.92]	<a href="#">PDF</a>
	Hood, Side Entry, (2-Peg), Aluminum	(1) 3/4 NPT threaded hole	<a href="#">293632905</a>	\$11.00	METE size 16B single lever connector housings	185.93 [6.56]	<a href="#">PDF</a>
	Surface Mount, Side Entry, (Single Lever), Aluminum	(1) 3/4 NPT threaded hole	<a href="#">293612905S</a>	\$20.00	METE size 16B 2-peg connector housings	240.41 [8.48]	<a href="#">PDF</a>
	Bulkhead Base, (Single Lever), Aluminum	N/A	<a href="#">29360S</a>	\$11.00	METE size 16B 2-peg connector housings	124.29 [4.38]	<a href="#">PDF</a>
	Coupler, Top Entry, (Single Lever), Aluminum	(1) 3/4 NPT threaded hole	<a href="#">293662905S</a>	\$17.50	METE size 16B 2-peg connector housings	209.56 [7.39]	<a href="#">PDF</a>
Double Lever / 4 Pegs	Hood, 4-Peg, Top Entry, Aluminum	(1) 3/4 NPT threaded hole	<a href="#">291552905</a>	\$11.00	METE size 16B double lever connector housings	164.66 [5.81]	<a href="#">PDF</a>
	Hood, 4-Peg, Side Entry, Aluminum	(1) 3/4 NPT threaded hole	<a href="#">290432905</a>	\$9.00:	METE size 16B double lever connector housings	185.98 [6.56]	<a href="#">PDF</a>
	Surface Mount, Double Lever, Side Entry, Aluminum	(1) 3/4 NPT threaded hole	<a href="#">290562905S</a>	\$16.50:	METE size 16B 4-peg connector housings	249.48 [8.80]	<a href="#">PDF</a>
	Bulkhead Housing, Double Lever, Aluminum	N/A	<a href="#">29042S</a>	\$9.50	METE size 16B 4-peg connector housings	130.64 [4.61]	<a href="#">PDF</a>
	Coupler Housing, Double Lever, Top Entry, Aluminum	(1) 3/4 NPT threaded hole	<a href="#">291602905S</a>	\$17.50	METE size 16B 4-peg connector housings	217.73 [7.68]	<a href="#">PDF</a>
	Cover Housing, 4-Peg, Plastic	N/A	<a href="#">29651</a>	\$2.25	METE size 16B double lever connector housings	18.14 [0.64]	<a href="#">PDF</a>
	Cover Housing, Double Lever, Plastic	N/A	<a href="#">29654S</a>	\$6.00:	METE size 16B 4-peg connector housings	73.94 [2.61]	<a href="#">PDF</a>



# Multi-Wire Connectors

## Size 24B

[29113](#)[29025](#)[290253046](#)[290253064](#)[290253108](#)[29112](#)[29024](#)[290243046](#)[290243064](#)[290243108](#)

### 24B Inserts

<i>Insert Type</i>	No. of Poles	8+4+PE	24+PE	46+PE	64+PE	108+PE
	<b>Rated Voltage</b>	600 VAC/VDC	600 VAC/VDC	600 VAC/VDC	600 VAC/VDC	600 VAC/VDC
	<b>Max. Rated Current</b>	80 amp (4-pole), 16 amp (8-pole)	16 amp	16 amp	10 amp	10 amp
	<b>Termination Type</b>	Screw Terminals	Screw Terminals	Crimp Contacts	Crimp Contacts	Crimp Contacts
<b>Male</b>	<b>Part Number</b>	<a href="#">29113</a>	<a href="#">29025</a>	<a href="#">290253046</a>	<a href="#">290253064</a>	<a href="#">290253108</a>
	<b>Price</b>	\$20.50	\$12.00	\$14.00	\$14.50	\$18.50
	<b>Drawing Link</b>	<a href="#">PDE</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
	<b>Crimp Contact Size*</b>	N/A	N/A	16 Amp METE 14106xxx series	10 Amp METE 14104xx series	10 Amp METE 14104xx series
	<b>Weight g [oz]</b>	141.98 [5.01]	126.55 [4.46]	75.75 [2.67]	62.60 [2.21]	67.86 [2.39]
<b>Female</b>	<b>Part Number</b>	<a href="#">29112</a>	<a href="#">29024</a>	<a href="#">290243046</a>	<a href="#">290243064</a>	<a href="#">290243108</a>
	<b>Price</b>	\$23.00	\$11.50	\$17.00	\$15.00	\$20.00
	<b>Drawing Link</b>	<a href="#">PDE</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>	<a href="#">PDF</a>
	<b>Crimp Contact Size*</b>	N/A	N/A	16 Amp METE 14105xxx series	10 Amp METE 14103xx series	10 Amp METE 14103xx series
	<b>Weight g [oz]</b>	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

<i>Housing Component</i>	<i>Threaded Opening</i>	<i>Part Number</i>	<i>Price</i>	<i>Works With</i>	<i>Weight g [oz]</i>	<i>Drawing Link</i>	
<i>Single Lever / 2 Pegs</i>	<i>Hood, Top Entry, (2-Peg), Aluminum</i>	(1) 3/4 NPT threaded hole	<a href="#">293742905</a>	\$12.50	METE size 24B single lever connector housings	193.69 [6.83]	<a href="#">PDF</a>
	<i>Hood, Side Entry, (2-Peg), Aluminum</i>	(1) 3/4 NPT threaded hole	<a href="#">293732905</a>	\$12.00	METE size 24B single lever connector housings	201.40 [7.10]	<a href="#">PDF</a>
	<i>Surface Mount, Side Entry, (Single Lever), Aluminum</i>	(1) 3/4 NPT threaded hole	<a href="#">293712905S</a>	\$25.50	METE size 24B 2-peg connector housings	283.95 [10.02]	<a href="#">PDF</a>
	<i>Bulkhead Base, (Single Lever), Aluminum</i>	N/A	<a href="#">29370S</a>	\$13.00	METE size 24B 2-peg connector housings	140.62 [4.96]	<a href="#">PDF</a>
	<i>Coupler, Top Entry, (Single Lever), Aluminum</i>	(1) 3/4 NPT threaded hole	<a href="#">293762905S</a>	\$20.00	METE size 24B 2-peg connector housings	243.58 [8.59]	<a href="#">PDF</a>
<i>Double Lever / 4 Pegs</i>	<i>Hood, Top Entry, (4-Peg), Aluminum</i>	(1) 3/4 NPT threaded hole	<a href="#">291652905</a>	\$12.00	METE size 24B double lever connector housings	192.78 [6.80]	<a href="#">PDF</a>
	<i>Hood, Side Entry, (4-Peg), Aluminum</i>	(1) 3/4 NPT threaded hole	<a href="#">290452905</a>	\$10.00	METE size 24B double lever connector housings	199.13 [7.02]	<a href="#">PDF</a>
	<i>Surface Mount, Side Entry, (Double Lever), Aluminum</i>	(1) 3/4 NPT threaded hole	<a href="#">290582905S</a>	\$20.00	METE size 24B 4-peg connector housings	285.77 [10.08]	<a href="#">PDF</a>
	<i>Bulkhead Base, (Double Lever), Aluminum</i>	N/A	<a href="#">29044S</a>	\$10.00	METE size 24B 4-peg connector housings	142.43 [5.02]	<a href="#">PDF</a>
	<i>Coupler, Top Entry, (Double Lever), Aluminum</i>	(1) 3/4 NPT threaded hole	<a href="#">291702905S</a>	\$21.00	METE size 24B 4-peg connector housings	248.57 [8.77]	<a href="#">PDF</a>
	<i>Cover, (4-Peg), Plastic</i>	N/A	<a href="#">29652</a>	\$2.25	METE size 24B double lever connector housings	21.77 [0.77]	<a href="#">PDF</a>
	<i>Cover, (Double Level), Plastic</i>	N/A	<a href="#">29655S</a>	\$6.00	METE size 24B 4-peg connector housings	78.02 [2.75]	<a href="#">PDF</a>



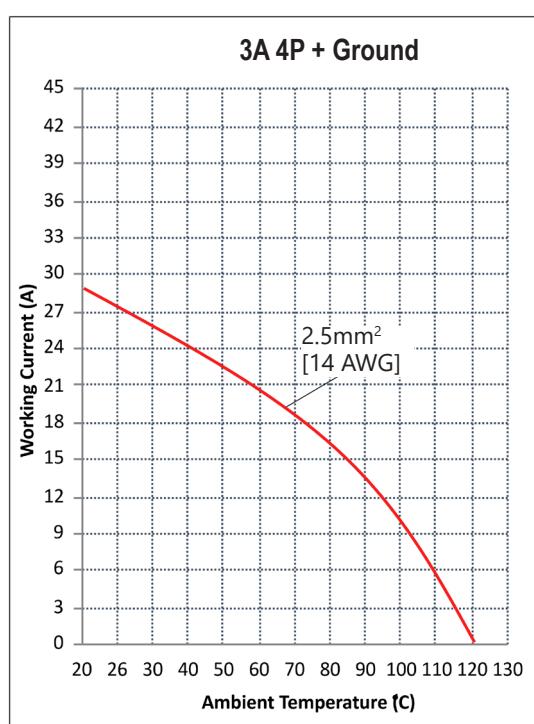
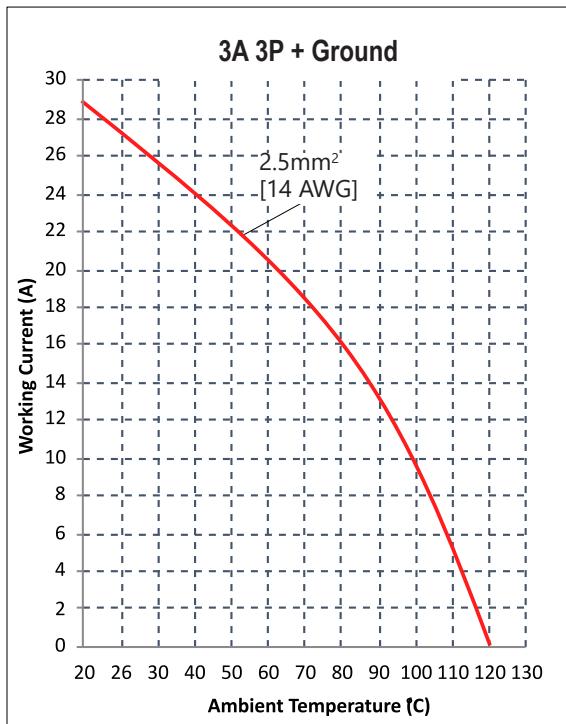
# Multi-Wire Connectors

## 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.

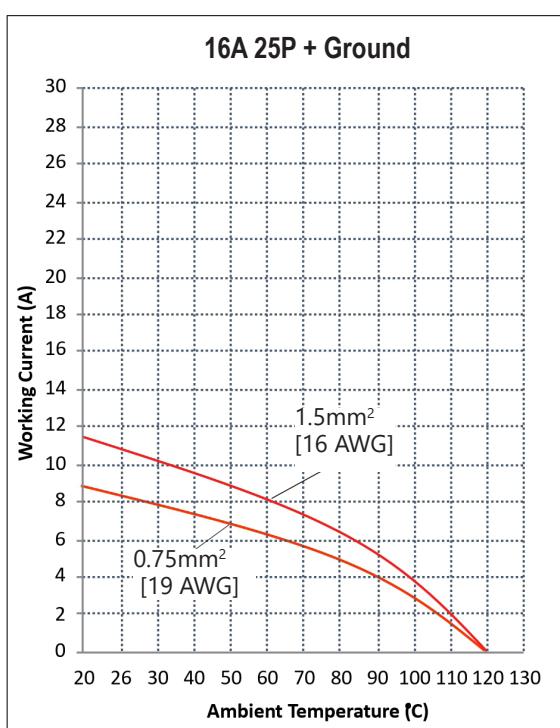
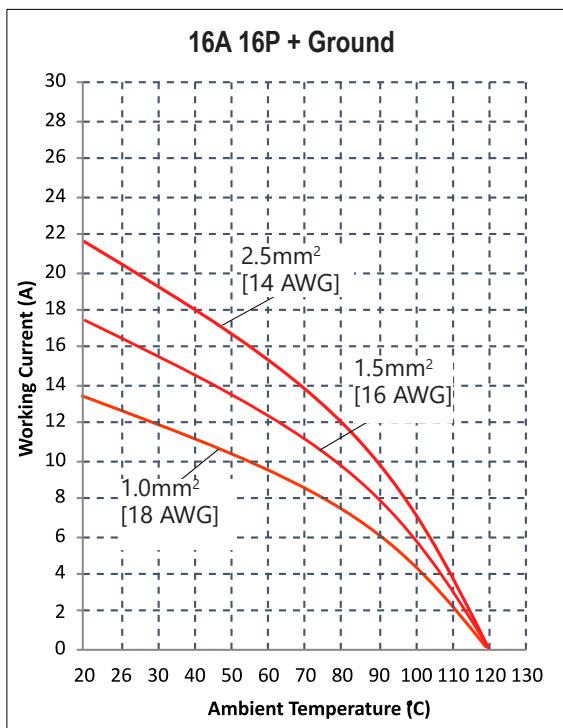
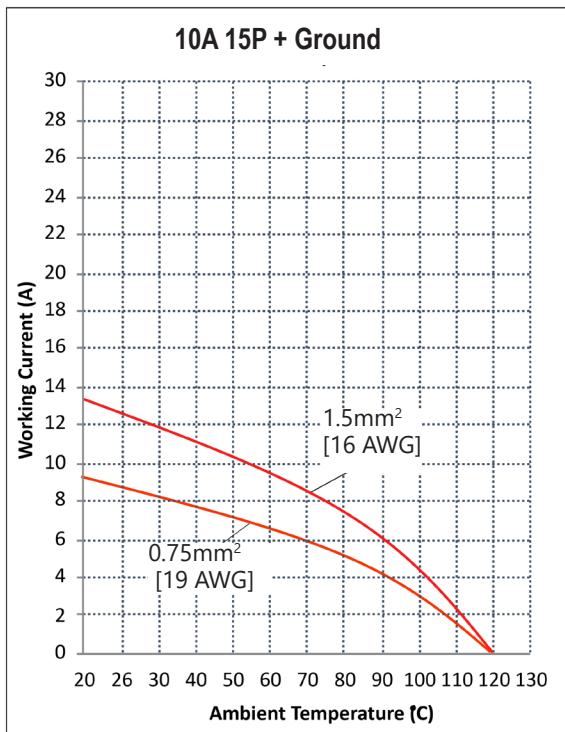
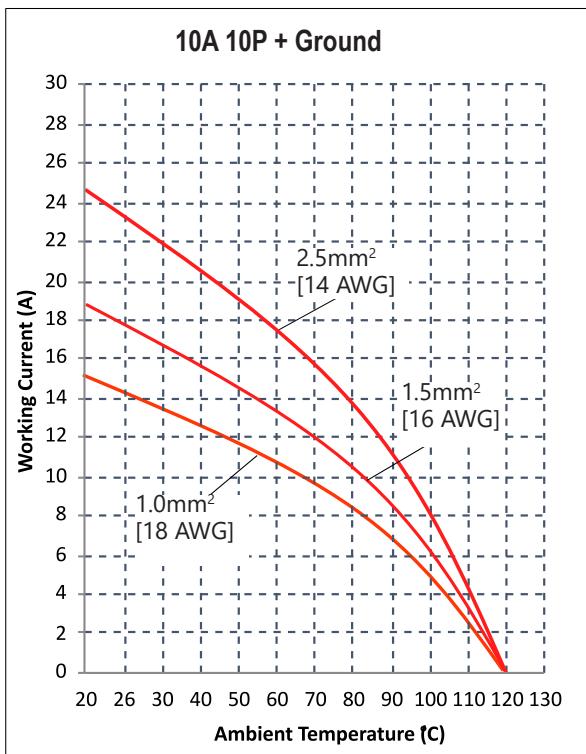
Current carrying capacity is limited by the thermal characteristics of contacts and insulating elements which have an upper temperature limit that should not be exceeded.





# Multi-Wire Connectors

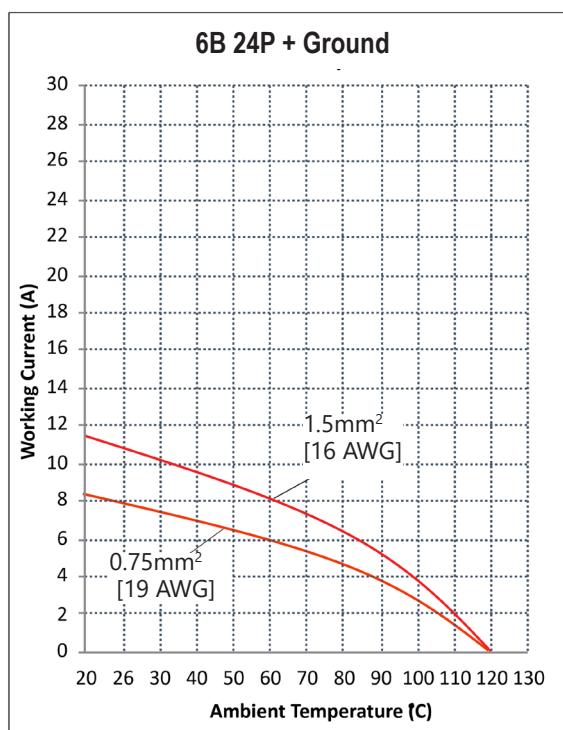
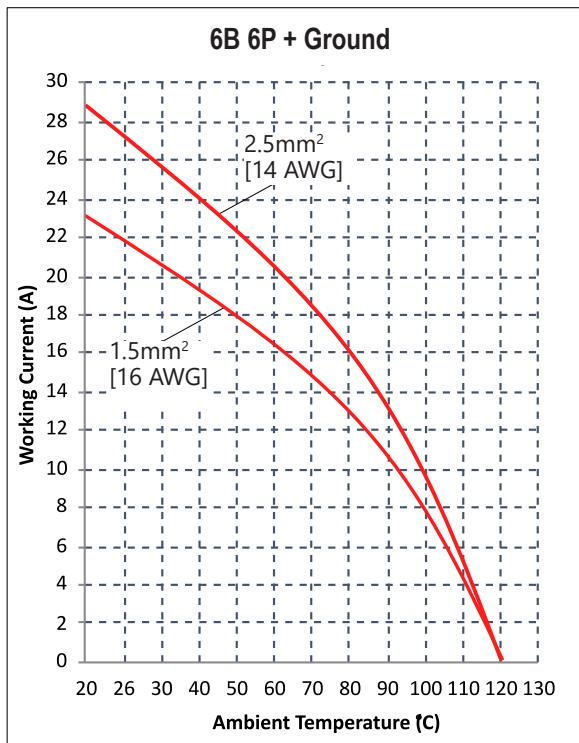
## Electrical Engineering Data - Load Diagrams





# Multi-Wire Connectors

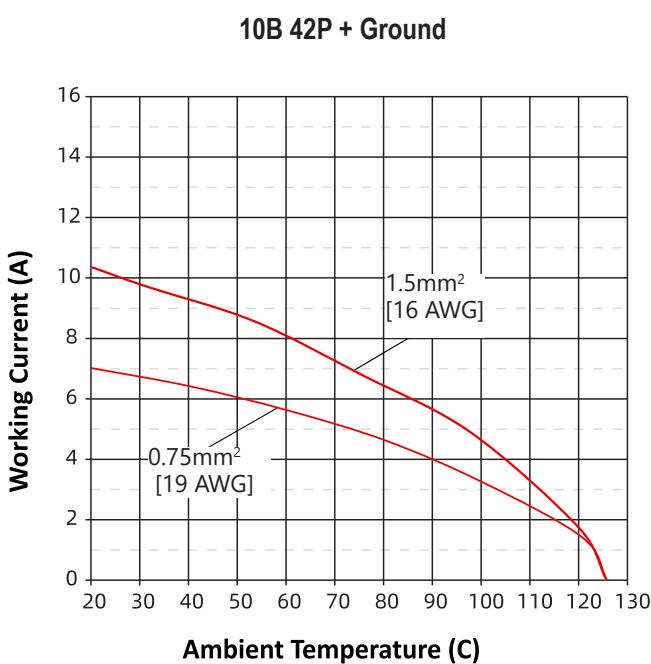
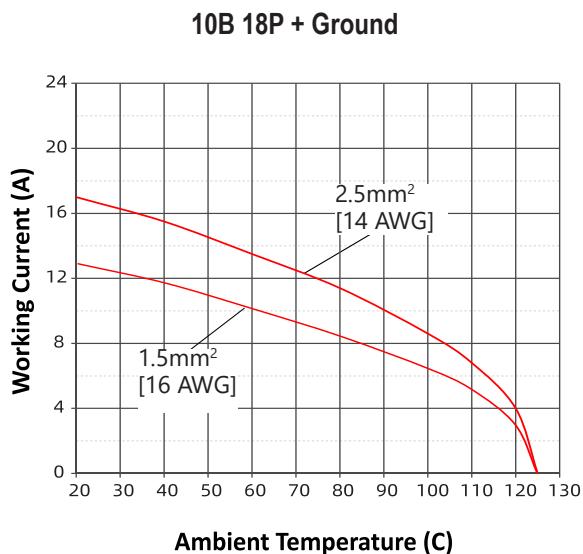
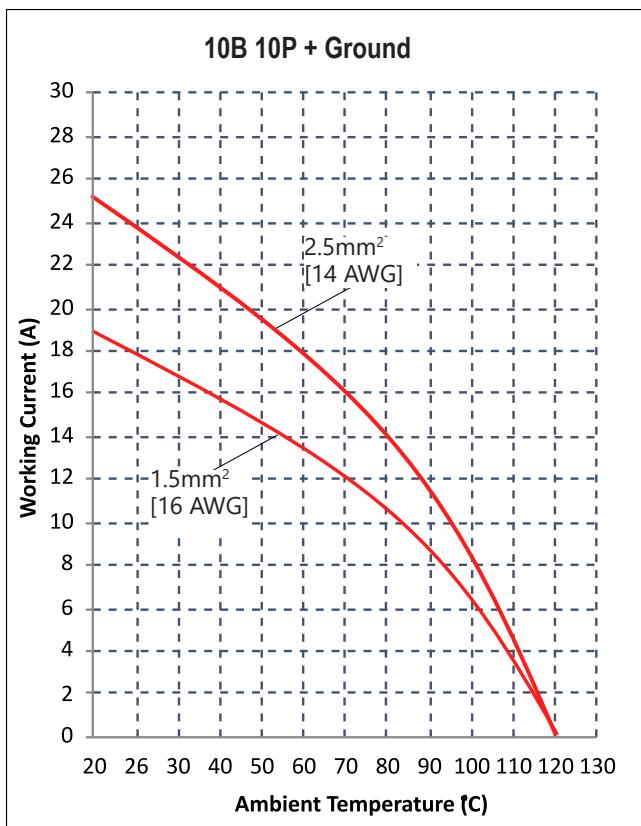
## Electrical Engineering Data - Load Diagrams





# Multi-Wire Connectors

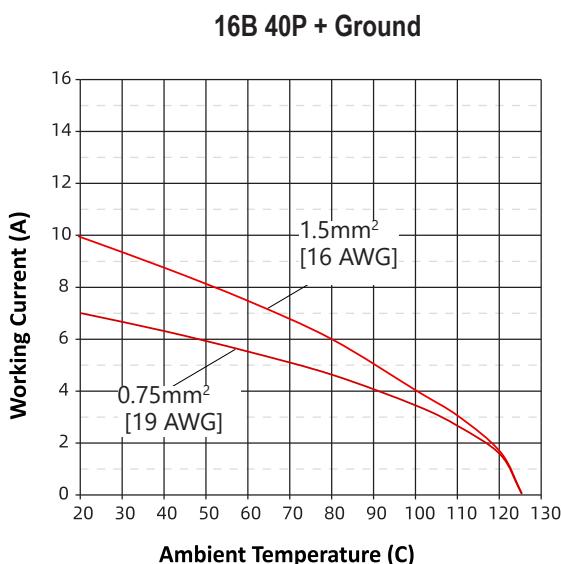
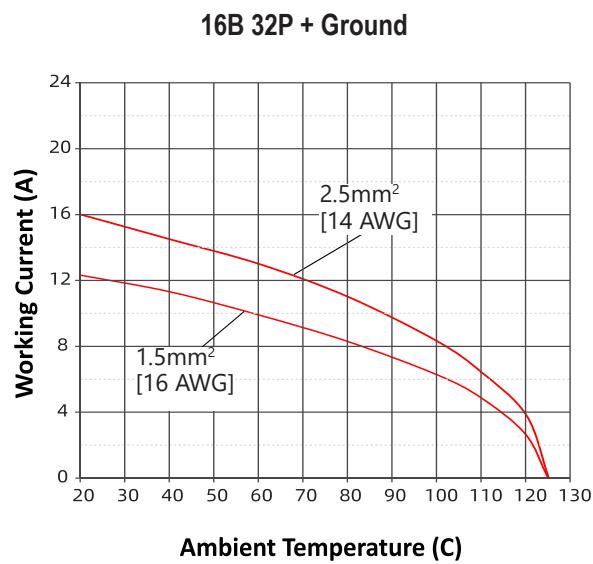
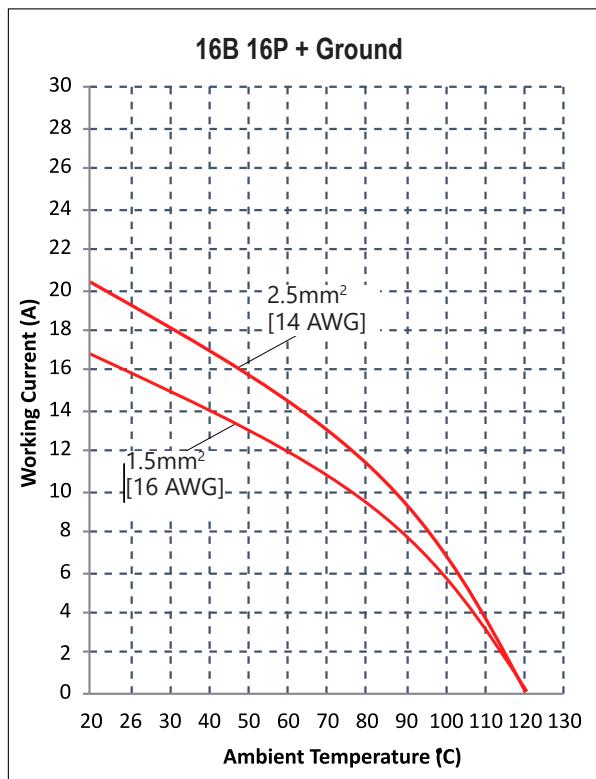
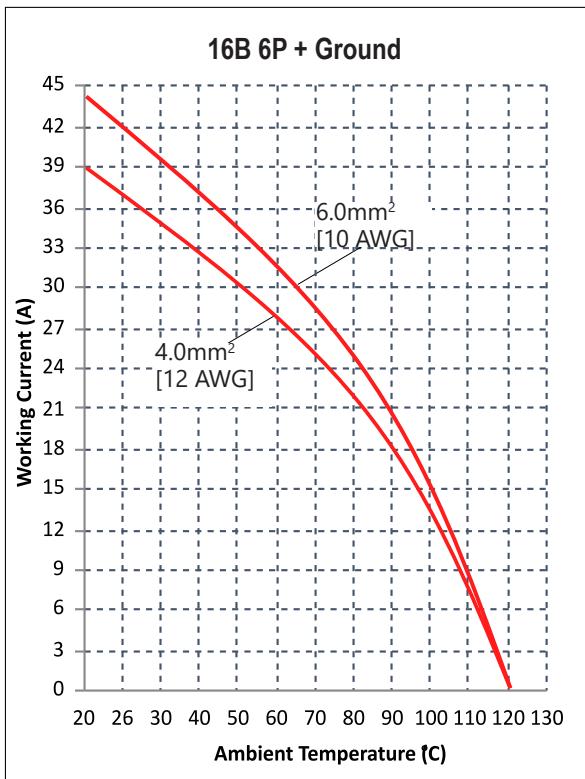
## Electrical Engineering Data - Load Diagrams





# Multi-Wire Connectors

## Electrical Engineering Data - Load Diagrams

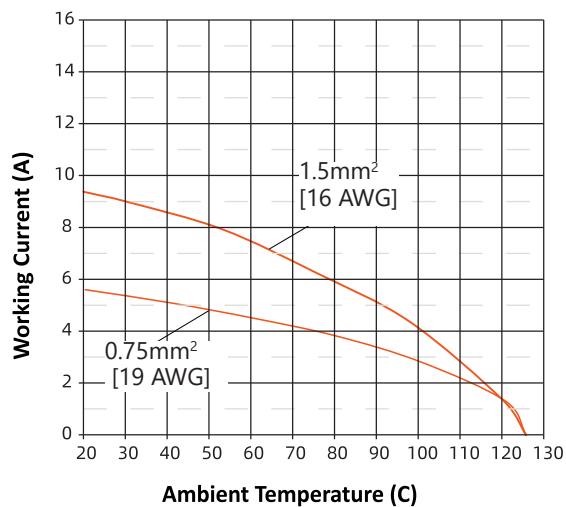




# Multi-Wire Connectors

## Electrical Engineering Data - Load Diagrams

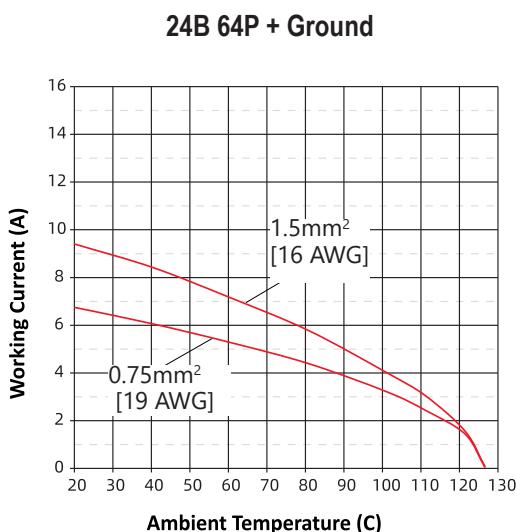
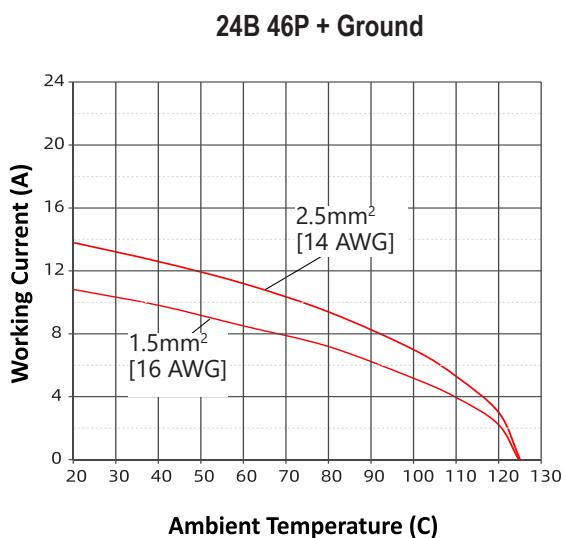
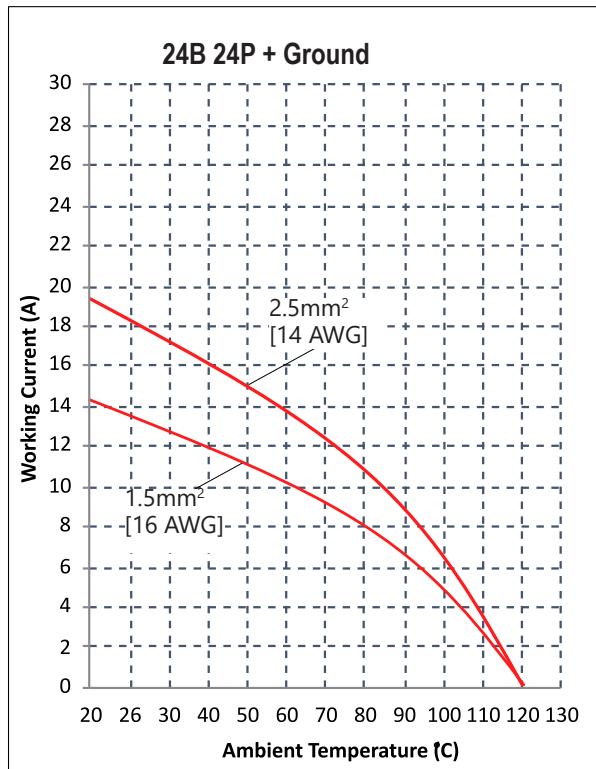
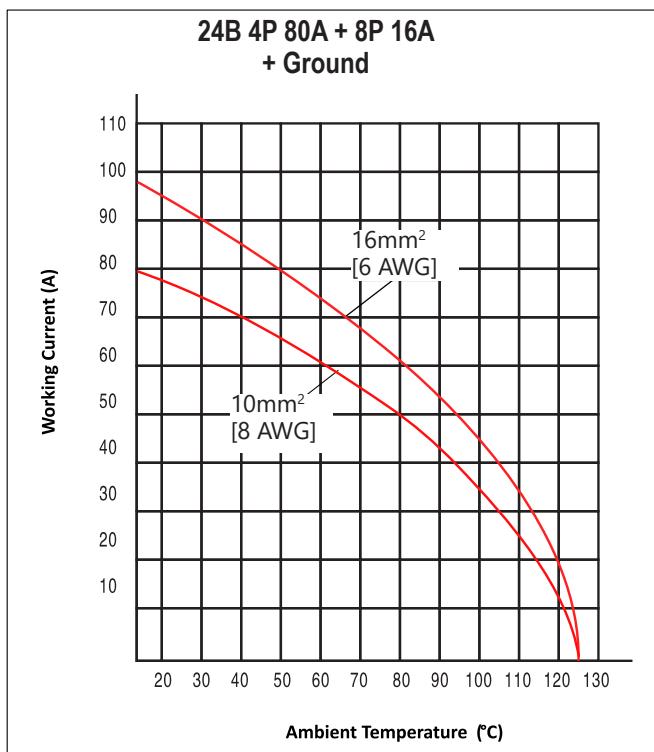
16B 72P + Ground





# Multi-Wire Connectors

## Electrical Engineering Data - Load Diagrams

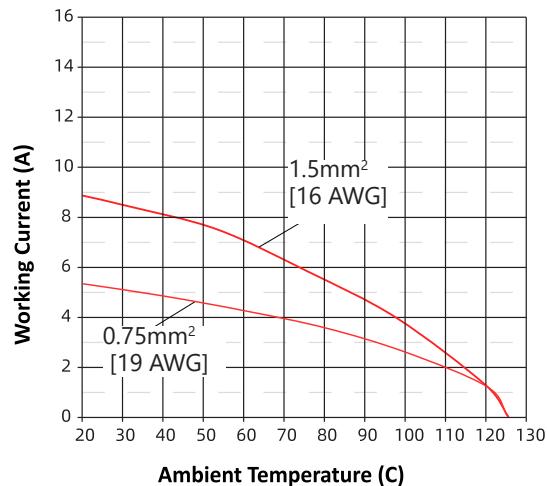




# Multi-Wire Connectors

## 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 <sup>2</sup> [AWG]	Stripping Length
<a href="#">14104164</a>	\$44.00	71.67 [2.53]	<a href="#">14103164</a>	\$49.50	68.95 [2.43]	0.14-0.37 [26-22]	8mm [0.31in]
<a href="#">14104264</a>	\$44.00	70.31 [2.48]	<a href="#">14103264</a>	\$49.50	68.49 [2.42]	0.5 [20]	
<a href="#">14104364</a>	\$44.00	67.59 [2.38]	<a href="#">14103364</a>	\$49.50	67.13 [2.37]	0.75 [18]	
<a href="#">14104564</a>	\$44.00	66.23 [2.34]	<a href="#">14103564</a>	\$49.50	66.68 [2.35]	1.5 [16]	
<a href="#">14104664</a>	\$44.00	61.60 [2.17]	<a href="#">14103664</a>	\$49.50	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 <sup>2</sup> [AWG]	Stripping Length
<a href="#">14106164</a>	\$39.00	120.43 [4.25]	<a href="#">14105164</a>	\$44.00	156.95 [5.54]	0.14-0.37 [26-22]	7.5mm [0.29in]
<a href="#">14106264</a>	\$39.00	135.17 [4.77]	<a href="#">14105264</a>	\$44.00	162.84 [5.74]	0.5 [20]	
<a href="#">14106364</a>	\$39.00	131.09 [4.62]	<a href="#">14105364</a>	\$44.00	146.51 [5.17]	0.75 [18]	
<a href="#">14106564</a>	\$39.00	131.32 [4.63]	<a href="#">14105564</a>	\$44.00	152.86 [5.39]	1.5 [16]	
<a href="#">14106664</a>	\$39.00	139.71 [4.93]	<a href="#">14105664</a>	\$44.00	166.47 [5.87]	2.5 [14]	
<a href="#">14106864</a>	\$39.00	136.53 [4.82]	<a href="#">14105864</a>	\$44.00	154.68 [5.46]	4.0 [12]	



[ZP-MC-CT1](#)

[ZP-MC-CT2](#)



[ZP-MC-RT1](#)



[ZP-MC-RT2](#)

Crimp Contact Tools				
Part Number	Price	Qty	Description	Weight [lb]
<a href="#">ZP-MC-CT1</a>	\$853.00	1	Crimping tool w/die set and locator	1.593
<a href="#">ZP-MC-CT2</a>	\$123.00		Crimping tool w/die set only, no locator	0.814
<a href="#">ZP-MC-RT1</a>	\$128.00		Removal tool for 10A contacts	0.081
<a href="#">ZP-MC-RT2</a>	\$116.00		Removal tool for 16A contacts	0.086

# **ZIPport® 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

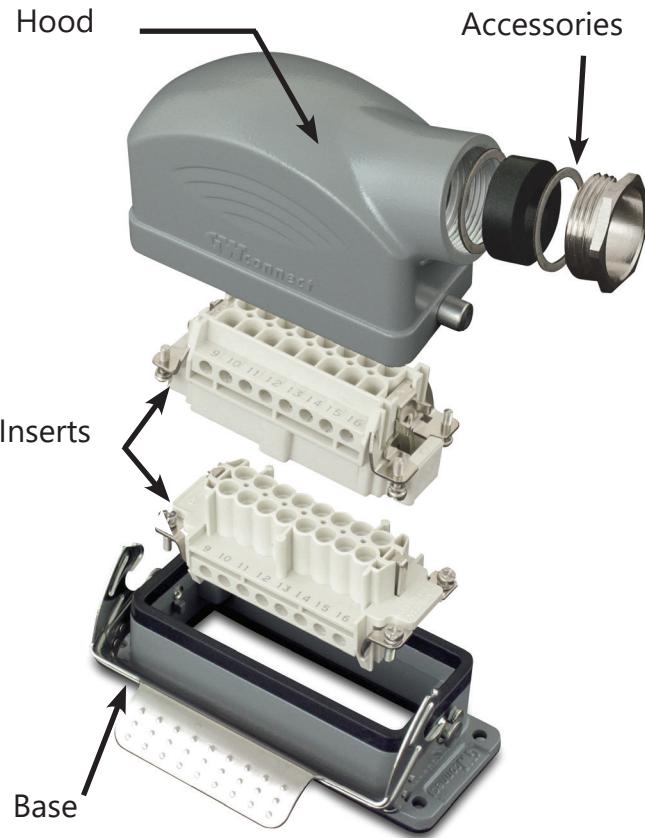
- Self-extinguishing thermoplastic reinforced with glass fibers
- Asymmetric guide rails prevent incorrect coupling
- Captive installation screws allow for easy and secure installation to bases and hoods
- Laser-printed or molded terminal/contact positions on both sides of insert
- Copper alloy contacts 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

# **ZIPport® 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

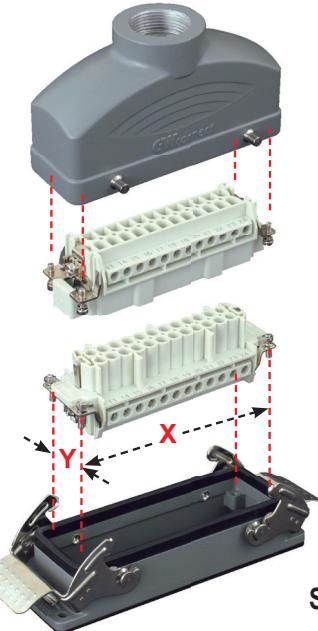
The housings for the ZIPport multi-wire connectors consist of a hood that mates with a base or a coupler.

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
<b>3A</b>	21 x 21 mm* [0.83 x 0.83 in]
<b>10A</b>	49.5 x 16 mm [1.95 x 0.63 in]
<b>16A</b>	66 x 16 mm [2.60 x 0.63 in]
<b>6B</b>	44 x 27 mm [1.73 x 1.06 in]
<b>10B</b>	57 x 27 mm [2.24 x 1.06 in]
<b>16B</b>	77.5 x 27 mm [3.05 x 1.06 in]
<b>24B</b>	104 x 27 mm [4.09 x 1.06 in]
<b>32B</b>	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:

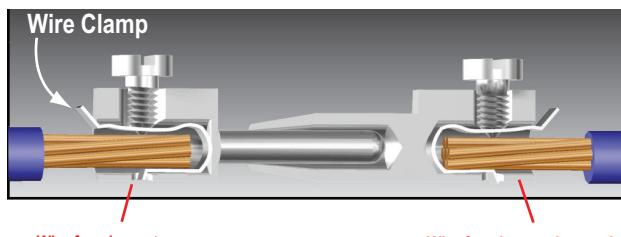
- Screw terminations
- Crimp terminations

### 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 <sup>2</sup> )	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)



### 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 <sup>2</sup> (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					
	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	1.2	10.6		
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					
24B	80 Amp Terminal	M6	2.5	22.1	1.0 x 5.5	TW-SD-VSL-4
	16 Amp Terminal	M3	0.50	4.4	Ph 0-0.8 x 4	
	Installation					
32B*	Ground	M4	1.2	10.6	Ph 2 1.0 x 5.5	TW-SD-VSL-4
	16 Amp Terminal	M3	0.50	4.4	Ph 0-0.8 x 4	
	Installation					
32B*	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.

# **ZIPport® STD Series Multi-Wire Connectors**

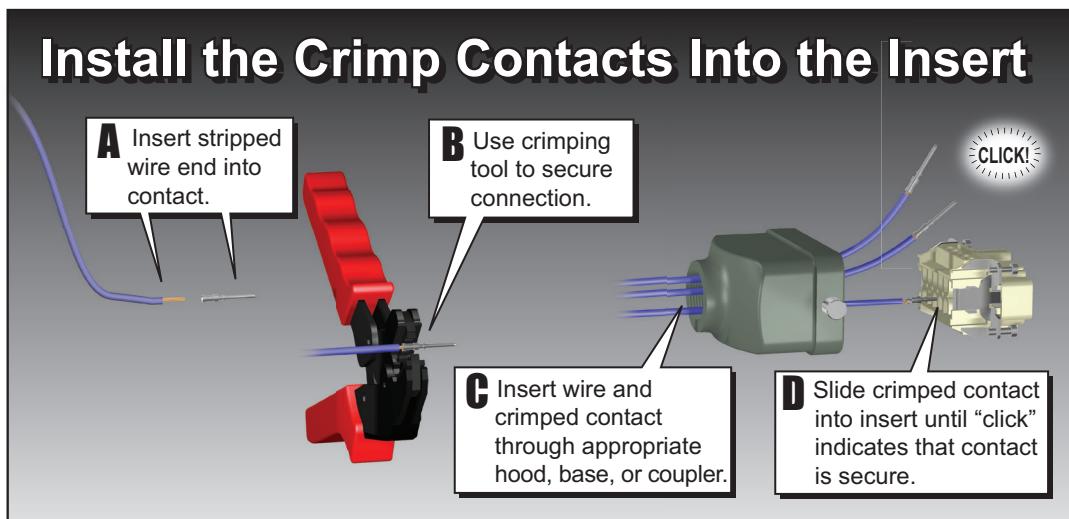
## Crimp Contact to Insert Installation

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:**

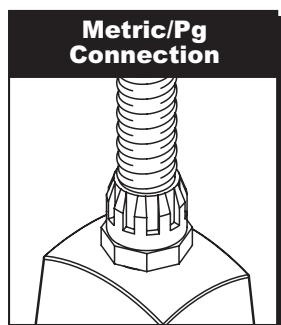


### **Step 3: Install the Insert into the Housing**

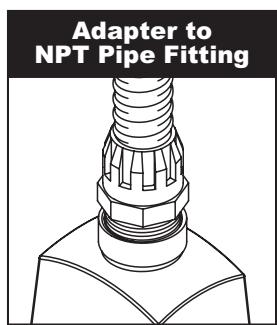
Now that the crimp contacts are installed, the insert can be placed into the housing by aligning the corner installation screws of the insert with the screw holes located in the corners of the housing. Tighten the screws according to the tightening torques listed in the Insert Screw Specifications table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

#### **Wire Entry Connection**

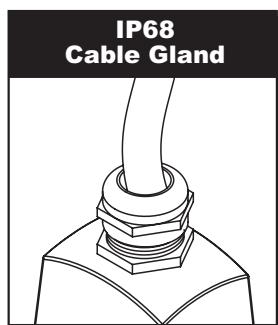
ZIPports offer four types of connection for wire entry into the housings. Two entries accommodate flex conduit and two accept cable.



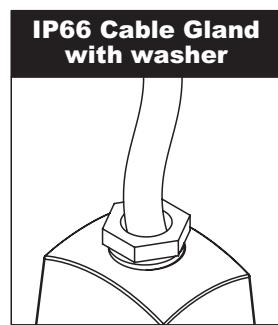
This is standard on all housings that offer a threaded wire entry. Sizes range from Pg 11 to Pg 36. This is for using fittings with a male Pg thread connection.



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.

# **ZIPport® 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.



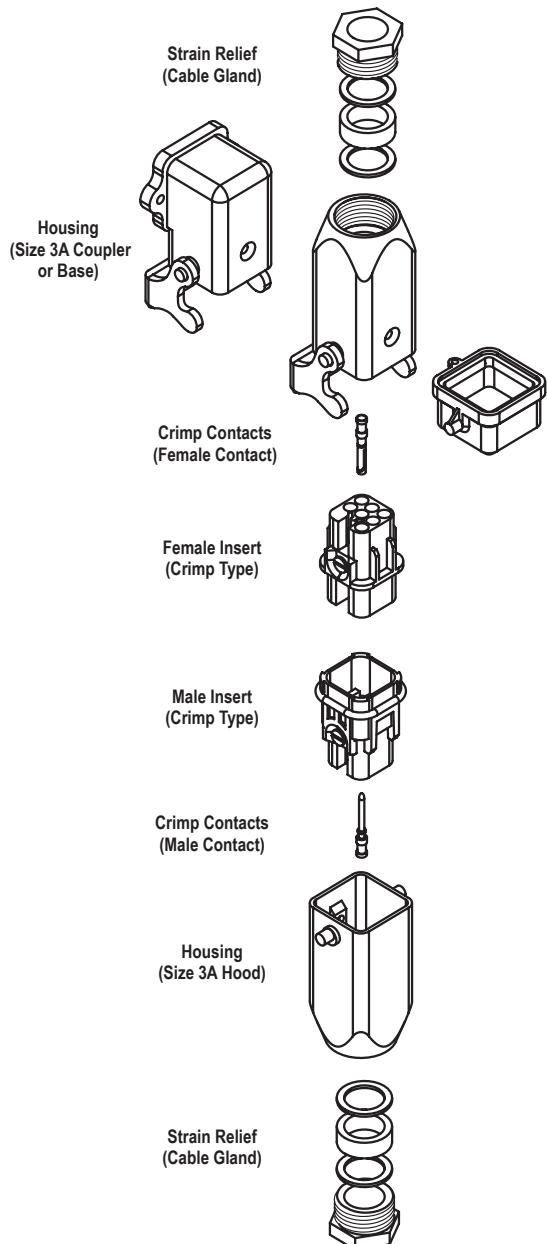
**WARNING - ACCORDING TO EN 61984, CONNECTORS SHOULD NOT BE COUPLED AND DECOUPLED UNDER ELECTRICAL LOAD.**



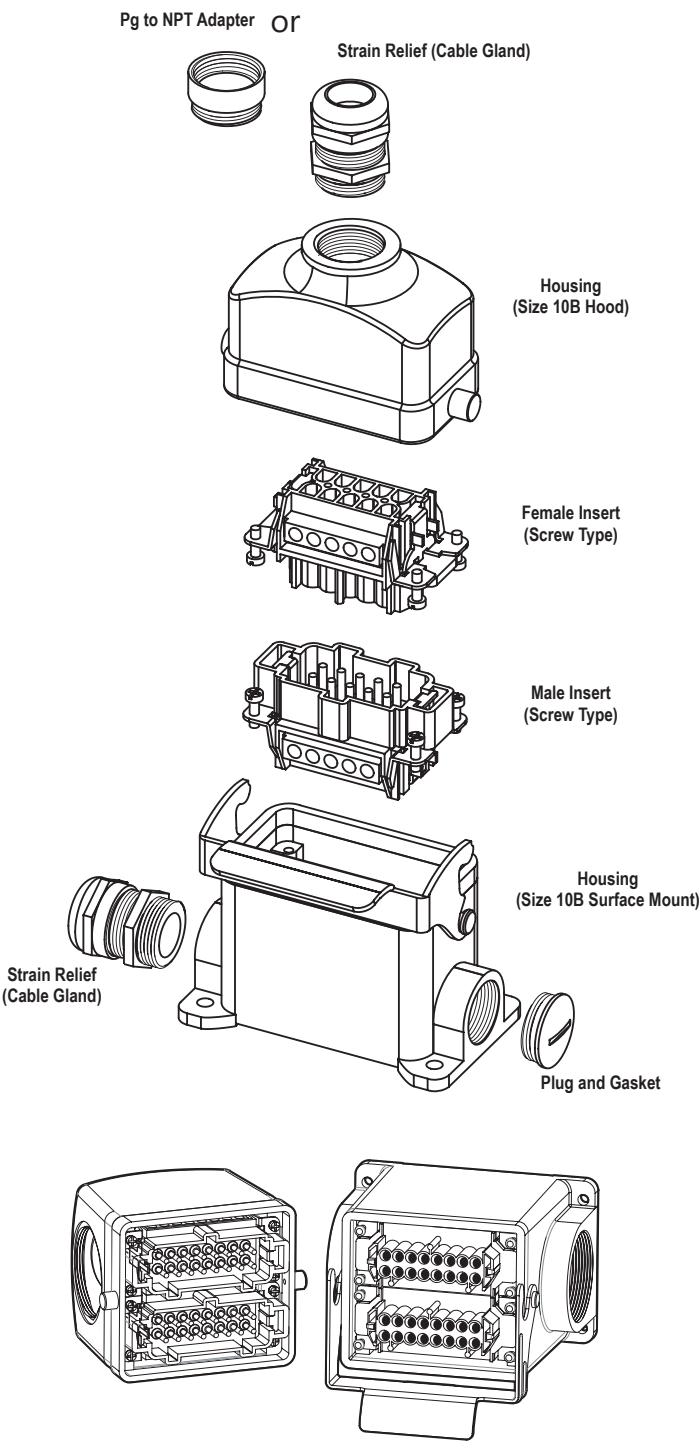
Type 1/4/4x/12

# **ZIP<sup>port</sup>** 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	<b>Number of Poles</b>			3+PE	4+PE	5+PE	7+PE	12+PE	10+PE	15+PE									
	<b>UL/CSA Rated Voltage*</b>			600V															
	<b>Maximum Rated Current</b>			10A	16A	10A		16A	10A	16A									
	<b>EN 61984 (2001-11) Pollution Degree 3</b>	<b>Rated Voltage AC/DC</b>		230/400V		250V	400V	250V											
		<b>Impulse Withstand Voltage</b>		4kV		6kV	4kV												
	<b>EN 61984 (2001-11) Pollution Degree 2</b>	<b>Rated Voltage</b>		230/400V	320/500V	230/400V	400/690V	230/400V											
		<b>Impulse Withstand Voltage</b>		4kV		6kV	4kV												
	<b>Continuous Current Carrying Capacity</b>			Refer to Electrical Engineering section charts															
	<b>Insulation Resistance</b>			10 <sup>10</sup> Ω															
	<b>Material</b>			Polycarbonate															
Contacts	<b>Temperature Range</b>			-40 to 125°C [-40 to 257°F]															
	<b>Flammability</b>			UL 94 V-0 GWT 960°															
	<b>Degree Protection</b>	<b>With Housing</b>		IP66, NEMA/UL (Type 1, 4, 4x, 12)															
		<b>Without Housing</b>		IP20															
	<b>Mechanical Working Life</b>			500 Cycles															
	<b>Conductor Termination</b>	<b>Screw Terminals</b>		√	√	N/A	N/A	N/A	√	N/A									
		<b>Crimp Contacts</b>		N/A	N/A	√	√	√	√	√									
	<b>Material</b>			Hard-silver plated (2μm Au) or gold plated copper alloy															
	<b>Minimum Recommended Load (voltage &amp; current)</b>			5V/5mA AC/DC (silver plated)															
	<b>Contact Resistance</b>			≤ 1mΩ		≤ 3mΩ		≤ 1mΩ	≤ 3mΩ	≤ 1mΩ									
Thermoplastic Hoods/Bases/Couplers/Covers	<b>Screw Terminal Wire Size</b>	<b>mm<sup>2</sup></b>		0.5-2.5		N/A		0.5-2.5	N/A	0.5-2.5									
		<b>AWG</b>		20-14		N/A		20-14	N/A	20-14									
	<b>Screw Terminal Tightening Test Torque</b>			0.5 Nm		N/A		0.5 Nm	N/A	0.5 Nm									
	<b>Screw Terminal Stripping Length</b>			7.0 mm		N/A		7.0 mm	N/A	7.0 mm									
	<b>Crimp Terminal Wire Size</b>	<b>mm<sup>2</sup></b>		N/A		0.5-2.5		0.14-4.0	0.14-2.5	0.14-4.0									
		<b>AWG</b>		N/A		26-14		26-12	26-14	26-12									
	<b>Crimp Terminal Stripping Length</b>			N/A		7.5 mm		7.5 mm	N/A	7.5 mm									
	<b>Material</b>			Glass filled polyamide															
	<b>Locking Element</b>			Glass filled polyamide lever and peg															
	<b>Flammability</b>			UL 94 V-0 GWT 960°															
Aluminum Hoods/Bases/Couplers/Covers	<b>Housings Seal</b>			NBR (Nitrile rubber)															
	<b>Degree of Protection Acc. to EN 60529 (coupled)</b>			IP66															
	<b>Temperature Range</b>			-40 to 125°C [-40 to 257°F]															
	<b>Thread</b>			Metric EN 50262 Pg DIN 40430															
	<b>Material</b>			Die cast aluminum alloy, Polyester powder coated															
	<b>Locking Element</b>			Stainless steel lever and peg															
	<b>Housings Seal</b>			NBR (Nitrile)															
<b>Degree of Protection Acc. to EN 60529 (coupled)</b>			IP66, NEMA/UL (Type 1, 4, 4x, 12)																
<b>Temperature Range</b>			-40 to 125°C [-40 to 257°F]																
<b>Thread</b>			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	<b>Number of Poles</b>		6+PE	24+PE	10+PE	42+PE	6+PE	16+PE
	<b>UL/CSA Rated Voltage*</b>		600V					
	<b>Maximum Rated Current</b>		16A	10A	16A	10A	35A	16A
	<b>EN 61984 (2001-11) Pollution Degree 3</b>	<b>Rated Voltage AC/DC</b>		500V	250V	500V	250V	500V
		<b>Impulse Withstand Voltage</b>		6kV	4kV	6kV	4kV	6kV
	<b>EN 61984 (2001-11) Pollution Degree 2</b>	<b>Rated Voltage</b>		400/690V	230/400V	400/690V	230/400V	1000V
		<b>Impulse Withstand Voltage</b>		6kV	4kV	6kV	4kV	8kV
	<b>Continuous Current Carrying Capacity</b>		Refer to Electrical Engineering section charts					
	<b>Insulation Resistance</b>		10 <sup>10</sup> Ω					
	<b>Material</b>		Polycarbonate					
Contacts	<b>Temperature Range</b>		-40 to 125°C [-40 to 257°F]					
	<b>Flammability</b>		UL 94 V-0 GWT 960°					
	<b>Degree Protection</b>	<b>With Housing</b>		IP66, NEMA/UL (Type 1, 4, 4x, 12)				
		<b>Without Housing</b>		IP20				
	<b>Mechanical Working Life</b>		500 Cycles					
	<b>Conductor Termination</b>	<b>Screw Terminals</b>		√	N/A	√	N/A	√
		<b>Crimp Contacts</b>		√	√	√	√	√
	<b>Material</b>		Hard-silver plated (2μm Au) or gold plated copper alloy					
	<b>Minimum Recommended Load (voltage &amp; current)</b>		5V/5mA AC/DC (silver plated)					
	<b>Contact Resistance</b>		≤ 1mΩ	≤ 3mΩ	≤ 1mΩ	≤ 3mΩ	≤ 0.5 mΩ	≤ 1mΩ
Aluminum Hoods/ Bases/Couplers/ Covers	<b>Screw Terminal Wire Size</b>	mm <sup>2</sup>	0.5-2.5	N/A	0.5-2.	N/A	1.5-6	0.5-2.5
		AWG	20-14	N/A	20-14	N/A	16-10	20-14
	<b>Screw Terminal Tightening Test Torque</b>		0.5 Nm	N/A	0.5 Nm	N/A	1.2 Nm	0.5 Nm
	<b>Screw Terminal Stripping Length</b>		7.0 mm	N/A	7.0 mm	N/A	10.5 mm	7.0 mm
	<b>Crimp Terminal Wire Size</b>	mm <sup>2</sup>	0.14-4	0.14-2.5	0.14-4	0.14-2.5	N/A	0.14-4
		AWG	26-12	26-14	26-12	26-14	N/A	26-12
	<b>Crimp Terminal Stripping Length</b>		7.5 mm	8mm	7.5 mm	8mm	N/A	7.5 mm
	<b>Material</b>		Die cast aluminum alloy, Polyester powder coated					
	<b>Locking Element</b>		Stainless steel lever and peg					
	<b>Housings Seal</b>		NBR (Nitrile)					
Temperature Range	<b>Degree of Protection Acc. to EN 60529 (coupled) NEMA 250, UL50, 50E</b>		IP66, NEMA/UL (Type 1, 4, 4X, 12)					
	<b>Temperature Range</b>		-40 to 125°C [-40 to 257°F]					
	<b>Thread</b>		Metric EN50262 Pg DIN 40430					
	<b>Notes</b>		* Connectors should not be coupled and decoupled under electrical load.					

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



# STD Series Multi-Wire Connectors

## Specifications

Technical Characteristics						
Connector Size		24B			32B	
<b>Inserts</b>	<b>Number of Poles</b>	4+8+PE	24+PE	64+PE	108+PE	32+PE
	<b>UL/CSA Rated Voltage*</b>	600V				
	<b>Maximum Rated Current</b>	Power: 80A / Signal: 16A	16A	10A	16A	10A
	<b>EN 61984 (2001-11) Pollution Degree 3</b>	Rated Voltage AC/DC	830V / 400V	500V	250V	500V
		Impulse Withstand Voltage	8kV / 6kV	6kV	4kV	6kV
	<b>EN 61984 (2001-11) Pollution Degree 2</b>	Rated Voltage	1000V/400/690V	400/690V	230/400V	400/690V
		Impulse Withstand Voltage	8kV	6kV	4kV	6kV
	<b>Continuous Current Carrying Capacity</b>	Refer to Electrical Engineering section charts				
	<b>Insulation Resistance</b>	10 <sup>8</sup> Ω				
	<b>Material</b>	Polycarbonate				
	<b>Temperature Range</b>	-40 to 125°C [-40 to 257°F]				
	<b>Flammability</b>	UL 94 V-0 GWT 960°				
	<b>Degree Protection</b>	With Housing	IP66, NEMA/UL (Type 1, 4, 4X, 12)			
		Without Housing	IP20			
<b>Contacts</b>	<b>Mechanical Working Life</b>	500 Cycles				
	<b>Conductor Termination</b>	Screw Terminals	√	√	N/A	N/A
		Crimp Contacts	N/A	√	√	√
	<b>Material</b>	Hard-silver plated (2μm Au) or gold plated copper alloy				
	<b>Minimum Recommended Load (voltage &amp; current)</b>	5V/5mA AC/DC (silver plated)				
	<b>Contact Resistance</b>	≤ 0.3 mΩ / 1mΩ		≤ 1mΩ	≤ 3mΩ	≤ 1mΩ
	<b>Screw Terminal Wire Size</b>	mm <sup>2</sup>	1.5-16 / 0.5-2.5	0.5-2.5	N/A	0.5-4.0
		AWG	16-6 AWG / 20-14	20-14	N/A	20-12
	<b>Screw Terminal Tightening Test Torque</b>	1.2 Nm / 0.5 Nm		0.5 Nm	N/A	0.5 Nm
	<b>Screw Terminal Stripping Length</b>	14mm / 7.0 mm		7.0 mm	N/A	7.0 mm
<b>Aluminum Hoods/ Bases/Couplers/ Covers</b>	<b>Screw Terminal Wire Size</b>	mm <sup>2</sup>	N/A	0.14-4	0.14-2.5	0.14-4
		AWG	N/A	26-12	26-14	26-12
	<b>Crimp Terminal Stripping Length</b>	N/A		7.5 mm	8mm	7.5 mm
	<b>Material</b>	Die cast aluminum alloy, Polyester powder coated				
	<b>Locking Element</b>	Stainless steel lever and peg				
	<b>Housings Seal</b>	NBR (Nitrile)				
	<b>Degree of Protection Acc. to EN 60529 (coupled) NEMA 250, UL50, 50E</b>	IP66, NEMA/UL (Type 1, 4, 4X, 12)				
	<b>Temperature Range</b>	-40 to 125°C [-40 to 257°F]				
	<b>Thread</b>	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
	Rated Voltage AC/DC	600V	600V	600V	600V
	Max. Rated Current	10A	10A	16A	10A
	Termination Type	Screw Terminals	Screw Terminals	Crimp Contacts*	Crimp Contacts*
Male	Part Number	<a href="#">ZP-MC03A-1-MS003</a>	<a href="#">ZP-MC03A-1-MS004</a>	<a href="#">ZP-MC03A-1-MC005</a>	<a href="#">ZP-MC03A-1-MC007</a>
	Price	\$5.00	\$5.00	\$4.50	\$6.50
	Contact Size	N/A	N/A	<a href="#">ZP-MC-CC-M16A-XX*</a>	<a href="#">ZP-MC-CC-M10A-XX*</a>
	Weight (lb.)	0.284	0.295	0.031	0.163
Female	Part Number	<a href="#">ZP-MC03A-1-FS003</a>	<a href="#">ZP-MC03A-1-FS004</a>	<a href="#">ZP-MC03A-1-FC005</a>	<a href="#">ZP-MC03A-1-FC007</a>
	Price	\$5.00	\$6.50	\$5.50	\$6.50
	Contact Size	N/A	N/A	<a href="#">ZP-MC-CC-F16A-XX*</a>	<a href="#">ZP-MC-CC-F10A-XX*</a>
	Weight (lb.)	0.275	0.302	0.031	0.143
* 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	<a href="#">ZP-MC03A-2-STE11M</a>	\$8.50	0.050
	Angled Hood	Pg 11	<a href="#">ZP-MC03A-2-SSE11M</a>	\$9.00	0.048
	Bulkhead Straight Base	N/A	<a href="#">ZP-MC03A-2-SBHM</a>	\$8.00	0.044
	Bulkhead Angled Base	N/A	<a href="#">ZP-MC03A-2-SBHAM</a>	\$6.50	0.055
	Surface Mount Base	Pg 11	<a href="#">ZP-MC03A-2-SSM11M</a>	\$11.50	0.070
	Coupler	Pg 11	<a href="#">ZP-MC03A-2-SCP11M</a>	\$9.00	0.068
	Cover - Male Insert	N/A	<a href="#">ZP-MC03A-2-SCVPMM</a>	\$8.00	0.015
Thermoplastic	Cover - Female Insert	N/A	<a href="#">ZP-MC03A-2-SCVPFM</a>	\$8.00	0.019
	Straight Hood	Pg 11	<a href="#">ZP-MC03A-2-STE11P</a>	\$3.50	0.028
	Angled Hood	Pg 11	<a href="#">ZP-MC03A-2-SSE11P</a>	\$3.50	0.026
	Bulkhead Straight Base	N/A	<a href="#">ZP-MC03A-2-SBHP</a>	\$3.50	0.024
	Bulkhead Angled Base	N/A	<a href="#">ZP-MC03A-2-SBHAP</a>	\$3.50	0.030
	Surface Mount Base	Pg 11	<a href="#">ZP-MC03A-2-SSM11P</a>	\$4.50	0.039
	Coupler	Pg 11	<a href="#">ZP-MC03A-2-SCP11P</a>	\$5.00	0.033
	Cover - Male Insert	N/A	<a href="#">ZP-MC03A-2-SCVPMP</a>	\$4.00	0.008
	Cover - Female Insert	N/A	<a href="#">ZP-MC03A-2-SCVPPF</a>	\$4.50	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-SCVPM](#)[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	<a href="#">Straight Hood</a>	<a href="#">ZP-MC-CG-11M5</a>	<a href="#">ZP-MC-CG-11M8</a>	<a href="#">ZP-MC-A-11038</a>
	<a href="#">Angled Hood</a>	<a href="#">ZP-MC-CG-11M5</a>	<a href="#">ZP-MC-CG-11M8</a>	<a href="#">ZP-MC-A-11038</a>
	<a href="#">Bulkhead Straight Base</a>	<a href="#">ZP-MC-CG-11M5</a>	<a href="#">ZP-MC-CG-11M8</a>	<a href="#">ZP-MC-A-11038</a>
	<a href="#">Bulkhead Angled Base</a>	N/A	N/A	N/A
	<a href="#">Surface Mount Base</a>	<a href="#">ZP-MC-CG-11M5</a>	<a href="#">ZP-MC-CG-11M8</a>	<a href="#">ZP-MC-A-11038</a>
	<a href="#">Coupler</a>	<a href="#">ZP-MC-CG-11M5</a>	<a href="#">ZP-MC-CG-11M8</a>	<a href="#">ZP-MC-A-11038</a>
	<a href="#">Cover - Male Insert</a>	N/A	N/A	N/A
Thermoplastic	<a href="#">Cover - Female Insert</a>	N/A	N/A	N/A
	<a href="#">Straight Hood</a>	<a href="#">ZP-MC-CG-11P5</a>	N/A	N/A
	<a href="#">Angled Hood</a>	<a href="#">ZP-MC-CG-11P5</a>	N/A	N/A
	<a href="#">Bulkhead Straight Base</a>	<a href="#">ZP-MC-CG-11P5</a>	N/A	N/A
	<a href="#">Bulkhead Angled Base</a>	N/A	N/A	N/A
	<a href="#">Surface Mount Base</a>	<a href="#">ZP-MC-CG-11P5</a>	N/A	N/A
	<a href="#">Coupler</a>	<a href="#">ZP-MC-CG-11P5</a>	N/A	N/A
<a href="#">Cover - Male Insert</a>	N/A	N/A	N/A	N/A
	<a href="#">Cover - Female Insert</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

<b>Insert Type</b>	<b>No. of Poles</b>	10+PE		15+PE
	<b>Rated Voltage AC/DC</b>	600V		600V
	<b>Max. Rated Current</b>	16A		10A
	<b>Termination Type</b>	Screw Terminals	Crimp Contacts*	Crimp Contacts*
<b>Male</b>	<b>Part Number</b>	<a href="#">ZP-MC10A-1-MS010</a>	<a href="#">ZP-MC10A-1-MC010</a>	<a href="#">ZP-MC10A-1-MC015</a>
	<b>Price</b>	\$18.00	\$14.50	\$15.50
	<b>Contact Size</b>	N/A	ZP-MC-CC-M16A-XX*	ZP-MC-CC-M10A-XX*
	<b>Weight [lb]</b>	0.101	0.046	0.066
<b>Female</b>	<b>Part Number</b>	<a href="#">ZP-MC10A-1-FS010</a>	<a href="#">ZP-MC10A-1-FC010</a>	<a href="#">ZP-MC10A-1-FC015</a>
	<b>Price</b>	\$18.00	\$17.00	\$15.50
	<b>Contact Size</b>	N/A	ZP-MC-CC-F16A-XX*	ZP-MC-CC-F10A-XX*
	<b>Weight (lb.)</b>	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](#)

<b>Hoods, Bases, Couplers and Covers</b>					<b>Accessories**</b>	
<b>Housing Component</b>		<b>Threaded Opening**</b>	<b>Part Number</b>	<b>Price</b>	<b>Weight [lb]</b>	<b>Plug with Gasket</b>
<b>Single Lever</b>	<b>Top Entry Hood</b>	Pg 13.5	<a href="#">ZP-MC10A-2-STE13M</a>	\$15.50	0.209	<a href="#">ZP-MC-PLG-13M8</a>
		Pg 16	<a href="#">ZP-MC10A-2-STE16M</a>	\$17.00	0.205	<a href="#">ZP-MC-PLG-16M8</a>
		Pg 16 HC	<a href="#">ZP-MC10A-2-STE16ML</a>	\$25.50	0.306	<a href="#">ZP-MC-PLG-16M8</a>
		Pg 21 HC	<a href="#">ZP-MC10A-2-STE21ML</a>	\$28.50	0.299	<a href="#">ZP-MC-PLG-21M8</a>
<b>Side Entry Hood</b>		Pg 16	<a href="#">ZP-MC10A-2-SSE16M</a>	\$15.50	0.216	<a href="#">ZP-MC-PLG-16M8</a>
		Pg 16 HC	<a href="#">ZP-MC10A-2-SSE16ML</a>	\$26.00	0.295	<a href="#">ZP-MC-PLG-16M8</a>
		Pg 21 HC	<a href="#">ZP-MC10A-2-SSE21ML</a>	\$25.50	0.291	<a href="#">ZP-MC-PLG-21M8</a>
<b>Bulkhead</b>	N/A	<a href="#">ZP-MC10A-2-SBHM</a>	\$19.50	0.165	N/A	
	<b>Bulkhead w/Cover</b>	N/A	<a href="#">ZP-MC10A-2-SBHMC</a>	\$39.00	0.262	N/A
<b>Surface Mounting Housing</b>	Pg 16x2	<a href="#">ZP-MC10A-2-SSM16M</a>	\$28.50	0.373	<a href="#">ZP-MC-PLG-16M8</a>	
	Pg 21x2	<a href="#">ZP-MC10A-2-SSM21M</a>	\$28.50	0.329	<a href="#">ZP-MC-PLG-21M8</a>	
<b>Surface Mounting Housing/with Cover</b>	Pg 16x2	<a href="#">ZP-MC10A-2-SSM16MC</a>	\$43.00	0.463	<a href="#">ZP-MC-PLG-16M8</a>	
	Pg 21x2	<a href="#">ZP-MC10A-2-SSM21MC</a>	\$43.00	0.432	<a href="#">ZP-MC-PLG-21M8</a>	
<b>Cover w/Pegs - 1 Lever</b>	N/A	<a href="#">ZP-MC10A-2-SCVLM</a>	\$28.50	0.124	N/A	
<b>Cover w/Pegs - 2 Pegs</b>	N/A	<a href="#">ZP-MC10A-2-SCVPM</a>	\$18.00	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"
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

<b>Insert Type</b>	<b>No. of Poles</b>	16+PE		25+PE
	<b>Rated Voltage AC/DC</b>	600V		600V
	<b>Max. Rated Current</b>	16A		10A
	<b>Termination Type</b>	Screw Terminal	Crimp Contacts*	Crimp Contacts*
<b>Male</b>	<b>Part Number</b>	<a href="#">ZP-MC16A-1-MS016</a>	<a href="#">ZP-MC16A-1-MC016</a>	<a href="#">ZP-MC16A-1-MC025</a>
	<b>Price</b>	\$24.50	\$19.50	\$15.50
	<b>Contact Size</b>	N/A	ZP-MC-CC-M16A-XX*	ZP-MC-CC-M10A-XX*
	<b>Weight [lb]</b>	0.139	0.064	0.079
<b>Female</b>	<b>Part Number</b>	<a href="#">ZP-MC16A-1-FS016</a>	<a href="#">ZP-MC16A-1-FC016</a>	<a href="#">ZP-MC16A-1-FC025</a>
	<b>Price</b>	\$26.00	\$19.50	\$15.50
	<b>Contact Size</b>	N/A	ZP-MC-CC-F16A-XX*	ZP-MC-CC-F10A-XX*
	<b>Weight [lb]</b>	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\*\*

<b>Housing Component</b>	<b>Threaded Opening**</b>	<b>Part Number</b>	<b>Price</b>	<b>Weight [lb]</b>	<b>Plug with Gasket</b>
<b>Single Lever</b>	<b>Top Entry Hood</b>	Pg 13.5	<a href="#">ZP-MC16A-2-STE13M</a>	\$18.00	0.232
		Pg 16	<a href="#">ZP-MC16A-2-STE16M</a>	\$18.00	0.234
		Pg 16 HC	<a href="#">ZP-MC16A-2-STE16ML</a>	\$28.50	0.388
		Pg 21 HC	<a href="#">ZP-MC16A-2-STE21ML</a>	\$31.00	0.373
<b>Side Entry Hood</b>		Pg 16	<a href="#">ZP-MC16A-2-SSE16M</a>	\$18.00	0.254
		Pg 16 HC	<a href="#">ZP-MC16A-2-SSE16ML</a>	\$28.50	0.381
		Pg 21 HC	<a href="#">ZP-MC16A-2-SSE21ML</a>	\$28.50	0.366
<b>Bulkhead</b>	N/A	<a href="#">ZP-MC16A-2-SBHM</a>	\$19.50	0.185	N/A
<b>Bulkhead w/Cover</b>	N/A	<a href="#">ZP-MC16A-2-SBHMC</a>	\$39.00	0.298	N/A
<b>Surface Mounting Housing</b>	Pg 16x2	<a href="#">ZP-MC16A-2-SSM16M</a>	\$30.00	0.445	<a href="#">ZP-MC-PLG-16M8</a>
	Pg 21x2	<a href="#">ZP-MC16A-2-SSM21M</a>	\$30.00	0.403	<a href="#">ZP-MC-PLG-21M8</a>
<b>Surface Mounting Housing/with Cover</b>	Pg 16	<a href="#">ZP-MC16A-2-SSM16MC</a>	\$47.00	0.558	<a href="#">ZP-MC-PLG-16M8</a>
	Pg 21	<a href="#">ZP-MC16A-2-SSM21MC</a>	\$47.00	0.518	<a href="#">ZP-MC-PLG-21M8</a>
<b>Cover w/Pegs - 1 Lever</b>	N/A	<a href="#">ZP-MC16A-2-SCVLM</a>	\$28.50	0.145	N/A
<b>Cover w/Pegs - 2 Pegs</b>	N/A	<a href="#">ZP-MC16A-2-SCVPM</a>	\$18.00	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"
Top Entry Hood	<a href="#">ZP-MC-CG-13M5</a>	<a href="#">ZP-MC-CG-13M8</a>	<a href="#">ZP-MC-A-13012</a>	N/A	N/A
	<a href="#">ZP-MC-CG-16M5</a>	<a href="#">ZP-MC-CG-16M8</a>	N/A	<a href="#">ZP-MC-A-16012</a>	N/A
	N/A	<a href="#">ZP-MC-CG-16M8</a>	N/A	<a href="#">ZP-MC-A-16012</a>	N/A
	N/A	<a href="#">ZP-MC-CG-21M8</a>	N/A	N/A	<a href="#">ZP-MC-A-21034</a>
Side Entry Hood	<a href="#">ZP-MC-CG-16M5</a>	<a href="#">ZP-MC-CG-16M8</a>	N/A	<a href="#">ZP-MC-A-16012</a>	N/A
	N/A	<a href="#">ZP-MC-CG-16M8</a>	N/A	<a href="#">ZP-MC-A-16012</a>	N/A
	N/A	<a href="#">ZP-MC-CG-21M8</a>	N/A	N/A	<a href="#">ZP-MC-A-21034</a>
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	<a href="#">ZP-MC-CG-16M8</a>	N/A	<a href="#">ZP-MC-A-16012</a>	N/A
	N/A	<a href="#">ZP-MC-CG-21M8</a>	N/A	N/A	<a href="#">ZP-MC-A-21034</a>
Surface Mounting Housing/ with Cover	N/A	<a href="#">ZP-MC-CG-16M8</a>	N/A	<a href="#">ZP-MC-A-16012</a>	N/A
	N/A	<a href="#">ZP-MC-CG-21M8</a>	N/A	N/A	<a href="#">ZP-MC-A-21034</a>
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

<i>Insert Type</i>	<i>No. of Poles</i>	6+PE		24+PE
	<i>Rated Voltage AC/DC</i>	600 Volts		600 Volts
	<i>Max. Rated Current</i>	16 Amps		10 Amps
	<i>Termination Type</i>	Screw Terminals	Crimp Contacts*	Crimp Contacts*
<i>Male</i>	<i>Part Number</i>	<a href="#">ZP-MC06B-1-MS006</a>	<a href="#">ZP-MC06B-1-MC006</a>	<a href="#">ZP-MC06B-1-MC024</a>
	<i>Price</i>	\$11.00	\$10.00	\$17.00
	<i>Contact Size</i>	N/A	<a href="#">ZP-MC-CC-M16A-XX*</a>	<a href="#">ZP-MC-CC-M10A-XX*</a>
	<i>Weight [lb]</i>	0.103	0.081	0.083
<i>Female</i>	<i>Part Number</i>	<a href="#">ZP-MC06B-1-FS006</a>	<a href="#">ZP-MC06B-1-FC006</a>	<a href="#">ZP-MC06B-1-FC024</a>
	<i>Price</i>	\$11.50	\$10.00	\$18.00
	<i>Contact Size</i>	N/A	<a href="#">ZP-MC-CC-F16A-XX*</a>	<a href="#">ZP-MC-CC-F10A-XX*</a>
	<i>Weight (lb.)</i>	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
<i>Single Lever</i>	<i>Top Entry Hood (2 Pegs)</i>	Pg 16	<a href="#">ZP-MC06B-2-STE16M</a>	\$14.50	0.200
		Pg 21 HC	<a href="#">ZP-MC06B-2-STE21ML</a>	\$27.50	0.368
		Pg 29 HC	<a href="#">ZP-MC06B-2-STE29ML</a>	\$28.50	0.343
	<i>Side Entry Hood (2 Pegs)</i>	Pg 16	<a href="#">ZP-MC06B-2-SSE16M</a>	\$11.50	0.205
		Pg 21 HC	<a href="#">ZP-MC06B-2-SSE21ML</a>	\$27.50	0.366
		Pg 29 HC	<a href="#">ZP-MC06B-2-SSE29ML</a>	\$28.50	0.350
<i>Surface Mount Base</i>	<i>Surface Mount Base</i>	Pg 16x2	<a href="#">ZP-MC06B-2-SSM16M</a>	\$36.50	0.421
		Pg 21x2 HC	<a href="#">ZP-MC06B-2-SSM21ML</a>	\$47.00	0.654
		Pg 29x2 HC	<a href="#">ZP-MC06B-2-SSM29ML</a>	\$47.00	0.575
	<i>Surface Mount w/Cover</i>	Pg 16x2	<a href="#">ZP-MC06B-2-SSM16C</a>	\$47.00	0.545
		Pg 21x2 HC	<a href="#">ZP-MC06B-2-SSM21CL</a>	\$58.50	0.783
		Pg 29x2 HC	<a href="#">ZP-MC06B-2-SSM29CL</a>	\$58.50	0.681
<i>Surface Mount w/Automatic Cover</i>	<i>Surface Mount w/Automatic Cover</i>	Pg 16x2	<a href="#">ZP-MC06B-2-SSM16CA</a>	\$163.00	0.805
		Pg 21x2 HC	<a href="#">ZP-MC06B-2-SSM21CA</a>	\$166.00	0.948
		Pg 29x2 HC	<a href="#">ZP-MC06B-2-SSM29CA</a>	\$173.00	0.946
	<i>Bulkhead Base</i>	N/A	<a href="#">ZP-MC06B-2-SBHM</a>	\$23.50	0.207
	<i>Bulkhead w/Cover</i>	N/A	<a href="#">ZP-MC06B-2-SBHC</a>	\$35.00	0.351
	<i>Bulkhead w/Auto Cover</i>	N/A	<a href="#">ZP-MC06B-2-SBHCA</a>	\$121.00	0.496
<i>Coupler (Single Lever)</i>	Pg 16	<a href="#">ZP-MC06B-2-SCP16M</a>	\$28.50	0.295	<a href="#">ZP-MC-PLG-16M8</a>
	N/A	<a href="#">ZP-MC06B-2-SCVLM</a>	\$21.00	0.167	N/A
	N/A	<a href="#">ZP-MC06B-2-SCVPM</a>	\$11.50	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 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



Single Lever Surface Mount Base High Capacity



Single 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	N/A
	ZP-MC-CG-21M5	ZP-MC-CG-21M8	ZP-MC-A-21034	N/A	N/A	N/A	N/A
	ZP-MC-CG-29M5	ZP-MC-CG-29M8	ZP-MC-A-29100	ZP-MC-A-29114			
	ZP-MC-CG-16M5	ZP-MC-CG-16M8	ZP-MC-A-16012	N/A	N/A	N/A	N/A
	ZP-MC-CG-21M5	ZP-MC-CG-21M8	ZP-MC-A-21034	N/A	N/A	N/A	N/A
Surface Mount w/Cover	ZP-MC-CG-29M5	ZP-MC-CG-29M8	ZP-MC-A-29100	ZP-MC-A-29100	ZP-MC-A-29100	ZP-MC-A-29100	ZP-MC-A-29100
	ZP-MC-CG-16M5	ZP-MC-CG-16M8	ZP-MC-A-16012	N/A	N/A	N/A	N/A
	ZP-MC-CG-21M5	ZP-MC-CG-21M8	ZP-MC-A-21034	N/A	N/A	N/A	N/A
Surface Mount /w Automatic Cover	ZP-MC-CG-29M5	ZP-MC-CG-29M8	ZP-MC-A-29100	ZP-MC-A-29100	ZP-MC-A-29100	ZP-MC-A-29100	ZP-MC-A-29100
	ZP-MC-CG-16M5	ZP-MC-CG-16M8	ZP-MC-A-16012	N/A	N/A	N/A	N/A
	ZP-MC-CG-21M5	ZP-MC-CG-21M8	ZP-MC-A-21034	N/A	N/A	N/A	N/A
Bulkhead Base	N/A	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	N/A
Bulkhead w/Auto Cover	N/A	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	N/A
Cover (Single Lever)	N/A	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	N/A

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

# **ZIPport® STD Series Multi-Wire Connectors**

## **Size 10B**

<b>Inserts</b>				
<b>Insert Type</b>	<b>No. of Poles</b>	10+PE		42+PE
	<b>Rated Voltage AC/DC</b>	600 Volts		600 Volts
	<b>Max. Rated Current</b>	16 Amps		10 Amps
	<b>Termination Type</b>	Screw Terminals	Crimp Contacts*	Crimp Contacts*
<b>Male</b>	<b>Part Number</b>	<a href="#">ZP-MC10B-1-MS010</a>	<a href="#">ZP-MC10B-1-MC010</a>	<a href="#">ZP-MC10B-1-MC042</a>
	<b>Price</b>	\$13.50	\$11.50	\$20.00
	<b>Contact Size</b>	N/A	ZP-MC-CC-M16A-XX*	ZP-MC-CC-M10A-XX*
	<b>Weight [lb]</b>	0.134	0.099	0.099
<b>Female</b>	<b>Part Number</b>	<a href="#">ZP-MC10B-1-FS010</a>	<a href="#">ZP-MC10B-1-FC010</a>	<a href="#">ZP-MC10B-1-FC042</a>
	<b>Price</b>	\$13.00	\$11.00	\$24.00
	<b>Contact Size</b>	N/A	ZP-MC-CC-F16A-XX*	ZP-MC-CC-F10A-XX*
	<b>Weight [lb]</b>	0.134	0.099	0.103

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

See Accessories section for complete part numbers.



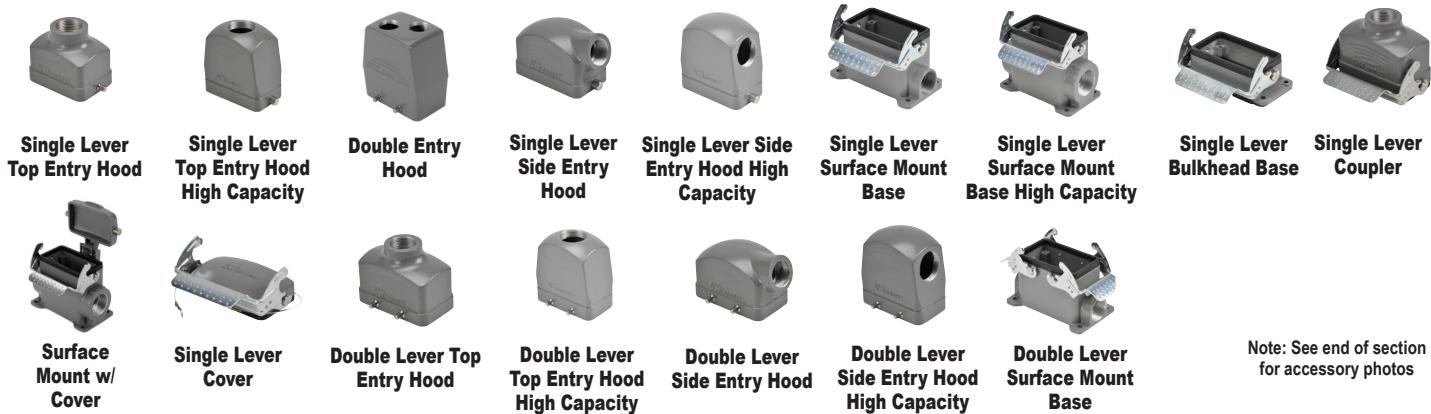
<b>Hoods, Bases, Couplers and Covers</b>					<b>Accessories***</b>	
<b>Housing Component</b>		<b>Threading Opening**</b>	<b>Part Number</b>	<b>Price</b>	<b>Weight [lb]</b>	<b>Plugs with Gasket</b>
<b>Single Lever / 2 Pegs</b>	<b>Top Entry Hood (2 Pegs)</b>	Pg 16	<a href="#">ZP-MC10B-2-STE16M</a>	\$18.00	0.271	<a href="#">ZP-MC-PLG-16M8</a>
		Pg 21 HC	<a href="#">ZP-MC10B-2-STE21ML</a>	\$40.50	0.432	<a href="#">ZP-MC-PLG-21M8</a>
		Pg 29 HC	<a href="#">ZP-MC10B-2-STE29ML</a>	\$43.00	0.410	<a href="#">ZP-MC-CG-29M8</a>
<b>Side Entry Hood (2 Pegs)</b>		Pg 16	<a href="#">ZP-MC10B-2-SSE16M</a>	\$19.50	0.255	<a href="#">ZP-MC-PLG-16M8</a>
		Pg 21 HC	<a href="#">ZP-MC10B-2-SSE21ML</a>	\$40.50	0.416	<a href="#">ZP-MC-PLG-21M8</a>
		Pg 29 HC	<a href="#">ZP-MC10B-2-SSE29ML</a>	\$43.00	0.394	<a href="#">ZP-MC-CG-29M8</a>
<b>Surface Mount Base</b>		Pg 16x2	<a href="#">ZP-MC10B-2-SSM16M</a>	\$39.00	0.509	<a href="#">ZP-MC-PLG-16M8</a>
		Pg 21x2 HC	<a href="#">ZP-MC10B-2-SSM21ML</a>	\$48.00	0.637	<a href="#">ZP-MC-PLG-21M8</a>
		Pg 29x2 HC	<a href="#">ZP-MC10B-2-SSM29ML</a>	\$47.00	0.637	<a href="#">ZP-MC-CG-29M8</a>
<b>Surface Mount w/Cover</b>		Pg 16x2	<a href="#">ZP-MC10B-2-SSM16C</a>	\$50.50	0.655	<a href="#">ZP-MC-PLG-16M8</a>
		Pg 21x2 HC	<a href="#">ZP-MC10B-2-SSM21CL</a>	\$63.50	0.873	<a href="#">ZP-MC-PLG-21M8</a>
		Pg 29x2 HC	<a href="#">ZP-MC10B-2-SSM29CL</a>	\$60.00	0.794	<a href="#">ZP-MC-CG-29M8</a>
<b>Surface Mount w/Automatic Cover</b>		Pg 16x2	<a href="#">ZP-MC10B-2-SSM16CA</a>	\$177.00	0.697	<a href="#">ZP-MC-PLG-16M8</a>
		Pg 21x2 HC	<a href="#">ZP-MC10B-2-SSM21CA</a>	\$187.00	1.041	<a href="#">ZP-MC-PLG-21M8</a>
		Pg 29x2 HC	<a href="#">ZP-MC10B-2-SSM29CA</a>	\$190.00	1.027	<a href="#">ZP-MC-CG-29M8</a>
<b>Bulkhead Base (Single Lever)</b>		N/A	<a href="#">ZP-MC10B-2-SBHM</a>	\$28.50	0.245	N/A
		N/A	<a href="#">ZP-MC10B-2-SBHC</a>	\$36.50	0.401	N/A
		N/A	<a href="#">ZP-MC10B-2-SBHCA</a>	\$138.00	0.520	N/A
<b>Coupler (Single Lever)</b>		Pg 16	<a href="#">ZP-MC10B-2-SCP16M</a>	\$40.50	0.379	<a href="#">ZP-MC-PLG-16M8</a>
		N/A	<a href="#">ZP-MC10B-2-SCVLM</a>	\$23.50	0.200	N/A
		N/A	<a href="#">ZP-MC10B-2-SCVPM</a>	\$14.50	0.108	N/A
<b>Double Lever / 4 Pegs</b>	<b>Top Entry Hood (4 Pegs)</b>	Pg 16	<a href="#">ZP-MC10B-2-DTE16M</a>	\$15.50	0.262	<a href="#">ZP-MC-PLG-16M8</a>
		Pg 21 HC	<a href="#">ZP-MC10B-2-DTE21ML</a>	\$30.00	0.432	<a href="#">ZP-MC-PLG-21M8</a>
		Pg 29 HC	<a href="#">ZP-MC10B-2-DTE29ML</a>	\$31.00	0.407	<a href="#">ZP-MC-CG-29M8</a>
<b>Top Double Entry Hood (4 Pegs)</b>		Pg 13.5x2 HC	<a href="#">ZP-MC10B-2-DTE13M2</a>	\$44.00	0.459	<a href="#">ZP-MC-PLG-13M8****</a>
		Pg 16	<a href="#">ZP-MC10B-2-DSE16M</a>	\$14.50	0.260	<a href="#">ZP-MC-PLG-16M8</a>
		Pg 21 HC	<a href="#">ZP-MC10B-2-DSE21ML</a>	\$29.50	0.421	<a href="#">ZP-MC-PLG-21M8</a>
<b>Side Entry Hood (4 Pegs)</b>		Pg 29 HC	<a href="#">ZP-MC10B-2-DSE29ML</a>	\$31.00	0.399	<a href="#">ZP-MC-CG-29M8</a>
		Pg 16x2	<a href="#">ZP-MC10B-2-DSM16M</a>	\$44.00	0.537	<a href="#">ZP-MC-PLG-16M8</a>
		Pg 21x2 HC	<a href="#">ZP-MC10B-2-DSM21ML</a>	\$50.50	0.676	<a href="#">ZP-MC-PLG-21M8</a>
<b>Surface Mount Base (4 Peg)</b>		Pg 29x2 HC	<a href="#">ZP-MC10B-2-DSM29ML</a>	\$49.50	0.663	<a href="#">ZP-MC-CG-29M8</a>
		N/A	<a href="#">ZP-MC10B-2-DBHM</a>	\$30.00	0.277	N/A
		Pg 16	<a href="#">ZP-MC10B-2-DCP16M</a>	\$41.50	0.429	<a href="#">ZP-MC-PLG-16M8</a>
<b>Bulkhead Base (Double Lever)</b>		Pg 21 HC	<a href="#">ZP-MC10B-2-DCP21ML</a>	\$63.50	0.599	<a href="#">ZP-MC-PLG-21M8</a>
		N/A	<a href="#">ZP-MC10B-2-DCVLM</a>	\$31.00	0.235	N/A
		N/A	<a href="#">ZP-MC10B-2-DCVPM</a>	\$15.00	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



Note: See end of section for accessory photos

### Accessories\*\*\* Continued

Housing Component	IP66 Cable Glands	IP68 Cable Glands	Pg to NPT Adapter			
			Pg 13.5/Pg 16 to 1/2"	Pg 21 to 3/4"	Pg 29 to 1"	Pg 29 to 1 1/4"
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
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
	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
Side Entry Hood (4 Pegs)	N/A	ZP-MC-CG-29M8	N/A	N/A	ZP-MC-A-29100	ZP-MC-A-29114
	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
Surface Mount Base (4 Pegs)	N/A	ZP-MC-CG-29M8	N/A	N/A	ZP-MC-A-29100	ZP-MC-A-29114
	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
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
Cover (Double Lever)	N/A	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	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.

**ZIPport® 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

	No. of Poles	6+PE	16+PE	40+PE	72+PE
<i>Insert Type</i>	<i>Rated Voltage AC/DC</i>	600 Volts	600 Volts	600 Volts	600 Volts
	<i>Max. Rated Current</i>	35 Amps	16 Amps	10 Amps	10 Amps
	<i>Termination Type</i>	Screw Terminals	Screw Terminals	Crimp Contacts*	Crimp Contacts*
	<i>Part Number</i>	<a href="#">ZP-MC16B-1-MS006</a>	<a href="#">ZP-MC16B-1-MS016</a>	<a href="#">ZP-MC16B-1-MC016</a>	<a href="#">ZP-MC16B-1-MC040</a>
<i>Male</i>	<i>Price</i>	\$31.00	\$18.00	\$13.50	\$24.00
	<i>Contact Size</i>	N/A	N/A	<a href="#">ZP-MC-CC-M16A-XX*</a>	<a href="#">ZP-MC-CC-M10A-XX*</a>
	<i>Weight [lb]</i>	0.174	0.180	0.123	0.125
<i>Female</i>	<i>Part Number</i>	<a href="#">ZP-MC16B-1-FS006</a>	<a href="#">ZP-MC16B-1-FS016</a>	<a href="#">ZP-MC16B-1-FC016</a>	<a href="#">ZP-MC16B-1-FC040</a>
	<i>Price</i>	\$31.00	\$18.00	\$13.50	\$24.00
	<i>Contact Size</i>	N/A	N/A	<a href="#">ZP-MC-CC-F16A-XX*</a>	<a href="#">ZP-MC-CC-F10A-XX*</a>
	<i>Weight [lb]</i>	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.

**ZIPport® STD Series Multi-Wire Connectors  
Size 16B**

Single Lever  
Top Entry HoodSingle Lever Top  
Entry Hood HCDouble Lever  
Top Entry HoodDouble Lever  
Top Entry Hood HCSingle Lever  
Side Entry HoodSingle Lever Side  
Entry Hood HC

Hoods, Bases, Couplers and Covers					Accessories***
Housing Component	Threading Opening**	Part Number	Price	Weight (lb)	Plugs with Gasket
<b>Single Lever / 2 Pegs</b>	Pg 21	<a href="#">ZP-MC16B-2-STE21M</a>	\$23.50	0.286	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 21 HC	<a href="#">ZP-MC16B-2-STE21ML</a>	\$43.00	0.493	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 29 HC	<a href="#">ZP-MC16B-2-STE29ML</a>	\$44.00	0.482	<a href="#">ZP-MC-PLG-29M8</a>
	Pg 21	<a href="#">ZP-MC16B-2-SSE21M</a>	\$19.50	0.337	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 21 HC	<a href="#">ZP-MC16B-2-SSE21ML</a>	\$43.00	0.419	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 29 HC	<a href="#">ZP-MC16B-2-SSE29ML</a>	\$45.50	0.489	<a href="#">ZP-MC-PLG-29M8</a>
	Pg 21x2	<a href="#">ZP-MC16B-2-SSM21M</a>	\$41.50	0.628	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 21x2 HC	<a href="#">ZP-MC16B-2-SSM21ML</a>	\$50.50	0.776	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 29x2 HC	<a href="#">ZP-MC16B-2-SSM29ML</a>	\$50.50	0.758	<a href="#">ZP-MC-PLG-29M8</a>
	Pg 21x2	<a href="#">ZP-MC16B-2-SSM21C</a>	\$54.50	0.811	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 21x2 HC	<a href="#">ZP-MC16B-2-SSM21CL</a>	\$65.00	1.029	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 29x2 HC	<a href="#">ZP-MC16B-2-SSM29CL</a>	\$65.00	0.928	<a href="#">ZP-MC-PLG-29M8</a>
<b>Double Lever / 4 Pegs</b>	Pg 21x2	<a href="#">ZP-MC16B-2-SSM21CA</a>	\$192.00	0.836	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 21x2 HC	<a href="#">ZP-MC16B-2-SM21CAL</a>	\$196.00	1.175	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 29x2 HC	<a href="#">ZP-MC16B-2-SM29CAL</a>	\$196.00	1.157	<a href="#">ZP-MC-PLG-29M8</a>
	N/A	<a href="#">ZP-MC16B-2-SBHM</a>	\$28.50	0.262	N/A
	N/A	<a href="#">ZP-MC16B-2-SBHC</a>	\$39.00	0.448	N/A
	N/A	<a href="#">ZP-MC16B-2-SBHCA</a>	\$156.00	0.613	N/A
	Pg 21	<a href="#">ZP-MC16B-2-SCP21M</a>	\$45.50	0.410	<a href="#">ZP-MC-PLG-21M8</a>
	N/A	<a href="#">ZP-MC16B-2-SCVLM</a>	\$24.50	0.224	N/A
	N/A	<a href="#">ZP-MC16B-2-SCVPM</a>	\$15.50	0.119	N/A
	Pg 21	<a href="#">ZP-MC16B-2-DTE21M</a>	\$18.00	0.284	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 21 HC	<a href="#">ZP-MC16B-2-DTE21ML</a>	\$30.00	0.493	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 29 HC	<a href="#">ZP-MC16B-2-DTE29ML</a>	\$35.00	0.474	<a href="#">ZP-MC-PLG-29M8</a>
<b>Top Double Entry Hood (4 Pegs)</b>	Pg 16x2 HC	<a href="#">ZP-MC16B-2-DTE16M2</a>	\$49.50	0.560	<a href="#">ZP-MC-PLG-16M8</a>
	Pg 21x2 HC	<a href="#">ZP-MC16B-2-DTE21M2</a>	\$50.50	0.547	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 21	<a href="#">ZP-MC16B-2-DSE21M</a>	\$17.00	0.324	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 21 HC	<a href="#">ZP-MC16B-2-DSE21ML</a>	\$30.00	0.513	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 29 HC	<a href="#">ZP-MC16B-2-DSE29ML</a>	\$35.00	0.513	<a href="#">ZP-MC-PLG-29M8</a>
	Pg 21x2	<a href="#">ZP-MC16B-2-DSM21M</a>	\$48.00	0.674	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 21x2 HC	<a href="#">ZP-MC16B-2-DSM21ML</a>	\$50.50	0.835	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 29x2 HC	<a href="#">ZP-MC16B-2-DSM29ML</a>	\$50.50	0.809	<a href="#">ZP-MC-PLG-29M8</a>
	N/A	<a href="#">ZP-MC16B-2-DBHM</a>	\$30.00	0.295	N/A
	Pg 21	<a href="#">ZP-MC16B-2-DCP21M</a>	\$41.50	0.445	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 21 HC	<a href="#">ZP-MC16B-2-DCP21ML</a>	\$67.50	0.668	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 29 HC	<a href="#">ZP-MC16B-2-DCP29ML</a>	\$70.00	0.681	<a href="#">ZP-MC-PLG-29M8</a>
<b>Coupler (Double Lever)</b>	N/A	<a href="#">ZP-MC16B-2-DCVLM</a>	\$32.50	0.271	N/A
	N/A	<a href="#">ZP-MC16B-2-DCVPM</a>	\$14.50	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

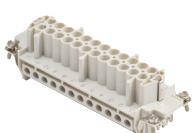
Accessories Continued***						
Housing Component	IP66 Cable Glands	IP68 Cable Glands	Pg to NPT Adapter			
			Pg 16 to 1/2"	Pg 21 to 3/4"	Pg 29 to 1"	Pg 29 to 1 1/4"
Single Lever / 2 Pegs	ZP-MC-CG-21M5	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
	N/A	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	N/A	N/A
	N/A	ZP-MC-CG-29M8	N/A	N/A	ZP-MC-A-29100	ZP-MC-A-29114
	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
	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
	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	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
	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
	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
	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
	ZP-MC-CG-21M5	ZP-MC-CG-21M8	N/A	ZP-MC-A-21034	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

	No. of Poles	8+4+PE	24+PE	64+PE	108+PE
Insert Type	Rated Voltage AC/DC	600 Volts	600 Volts	600 Volts	600 Volts
	Max. Rated Current	4 x 80 Amps / 8 x 16 Amps	16 Amps	10 Amps	10 Amps
	Termination Type	Screw Terminals	Screw Terminals	Crimp Contacts*	Crimp Contacts*
Male	Part Number	<a href="#">ZP-MC24B-1-MS048</a>	<a href="#">ZP-MC24B-1-MS024</a>	<a href="#">ZP-MC24B-1-MC024</a>	<a href="#">ZP-MC24B-1-MC064</a>
	Price	\$37.50	\$23.50	\$17.00	\$28.50
	Contact Size	N/A	N/A	<a href="#">ZP-MC-CC-M16A-XX*</a>	<a href="#">ZP-MC-CC-M10A-XX*</a>
	Weight [lb]	0.321	0.240	0.152	0.163
Female	Part Number	<a href="#">ZP-MC24B-1-FS048</a>	<a href="#">ZP-MC24B-1-FS024</a>	<a href="#">ZP-MC24B-1-FC024</a>	<a href="#">ZP-MC24B-1-FC064</a>
	Price	\$39.00	\$23.50	\$17.50	\$28.50
	Contact Size	N/A	N/A	<a href="#">ZP-MC-CC-F16A-XX*</a>	<a href="#">ZP-MC-CC-F10A-XX*</a>
	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 HoodSingle Lever  
Top Entry Hood  
High CapacitySingle Lever  
Side Entry  
HoodSingle Lever Side  
Entry Hood High  
CapacitySingle Lever  
Surface Mount Base

Hoods, Bases, Couplers and Covers					Accessories***
Housing Component	Threading Opening**	Part Number	Price	Weight	Plugs with Gasket
Top Entry Hood (Single Lever)	Pg 21	<a href="#">ZP-MC24B-2-STE21M</a>	\$24.50	0.432	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 21 HC	<a href="#">ZP-MC24B-2-STE21ML</a>	\$44.00	0.599	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 29 HC	<a href="#">ZP-MC24B-2-STE29ML</a>	\$45.50	0.601	<a href="#">ZP-MC-PLG-29M8</a>
Side Entry Hood (Single Lever)	Pg 21	<a href="#">ZP-MC24B-2-SSE21M</a>	\$22.00	0.434	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 21 HC	<a href="#">ZP-MC24B-2-SSE21ML</a>	\$44.00	0.599	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 29 HC	<a href="#">ZP-MC24B-2-SSE29ML</a>	\$48.00	0.573	<a href="#">ZP-MC-PLG-29M8</a>
Surface Mount Base (2 Peg)	Pg 21x2	<a href="#">ZP-MC24B-2-SSM21M</a>	\$43.00	0.709	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 21x2 HC	<a href="#">ZP-MC24B-2-SSM21ML</a>	\$54.50	0.919	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 29x2 HC	<a href="#">ZP-MC24B-2-SSM29ML</a>	\$25.00	0.901	<a href="#">ZP-MC-PLG-29M8</a>
Surface Mount (Single Lever w/Cover)	Pg 21x2	<a href="#">ZP-MC24B-2-SSM21C</a>	\$58.50	0.924	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 21x2 HC	<a href="#">ZP-MC24B-2-SSM21CL</a>	\$69.00	1.204	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 29x2 HC	<a href="#">ZP-MC24B-2-SSM29CL</a>	\$70.00	1.118	<a href="#">ZP-MC-PLG-29M8</a>
Surface Mount w/Automatic Cover	Pg 21x2	<a href="#">ZP-MC24B-2-SSM21CA</a>	\$244.00	0.972	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 21x2 HC	<a href="#">ZP-MC24B-2-SM21CAL</a>	\$289.00	1.358	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 29x2 HC	<a href="#">ZP-MC24B-2-SM29CAL</a>	\$280.00	1.354	<a href="#">ZP-MC-PLG-29M8</a>
Bulkhead Base (Single Lever)	N/A	<a href="#">ZP-MC24B-2-SBHM</a>	\$28.50	0.310	N/A
Bulkhead w/Cover	N/A	<a href="#">ZP-MC24B-2-SBHC</a>	\$40.50	0.525	N/A
Bulkhead w/Automatic Cover	N/A	<a href="#">ZP-MC24B-2-SBHCA</a>	\$166.00	0.697	N/A
Coupler (2 Peg)	Pg 21	<a href="#">ZP-MC24B-2-SCP21M</a>	\$49.50	0.566	<a href="#">ZP-MC-PLG-21M8</a>
Cover (Single Lever)	N/A	<a href="#">ZP-MC24B-2-SCVLM</a>	\$24.50	0.255	N/A
Cover (2 Peg)	N/A	<a href="#">ZP-MC24B-2-SCVPM</a>	\$15.50	0.157	N/A
Top Entry Hood (Double Lever)	Pg 21	<a href="#">ZP-MC24B-2-DTE21M</a>	\$23.50	0.447	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 29	<a href="#">ZP-MC24B-2-DTE29M</a>	\$23.50	0.385	<a href="#">ZP-MC-PLG-29M8</a>
	Pg 21 HC	<a href="#">ZP-MC24B-2-DTE21ML</a>	\$31.00	0.612	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 29 HC	<a href="#">ZP-MC24B-2-DTE29ML</a>	\$35.00	0.560	<a href="#">ZP-MC-PLG-29M8</a>
Top Double Entry Hood (4 Peg)	Pg 21x2	<a href="#">ZP-MC24B-2-DTE21M2</a>	\$53.50	0.664	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 29x2	<a href="#">ZP-MC24B-2-DTE29M2</a>	\$53.50	0.648	<a href="#">ZP-MC-PLG-29M8</a>
Side Entry Hood (Double Lever)	Pg 21	<a href="#">ZP-MC24B-2-DSE21M</a>	\$19.50	0.427	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 29	<a href="#">ZP-MC24B-2-DSE29M</a>	\$23.50	0.388	<a href="#">ZP-MC-PLG-29M8</a>
	Pg 21 HC	<a href="#">ZP-MC24B-2-DSE21ML</a>	\$31.00	0.560	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 29 HC	<a href="#">ZP-MC24B-2-DSE29ML</a>	\$35.00	0.659	<a href="#">ZP-MC-PLG-29M8</a>
Surface Mount Base (4 Peg)	Pg 21x2	<a href="#">ZP-MC24B-2-DSM21M</a>	\$56.00	0.747	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 21x2 HC	<a href="#">ZP-MC24B-2-DSM21ML</a>	\$57.00	0.930	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 29x2 HC	<a href="#">ZP-MC24B-2-DSM29ML</a>	\$58.50	0.901	<a href="#">ZP-MC-PLG-29M8</a>
Bulkhead Base (Double Lever)	N/A	<a href="#">ZP-MC24B-2-DBHM</a>	\$35.00	0.343	N/A
Coupler (Double Lever)	Pg 21	<a href="#">ZP-MC24B-2-DCP21M</a>	\$45.50	0.599	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 21 HC	<a href="#">ZP-MC24B-2-DCP21ML</a>	\$70.00	0.813	<a href="#">ZP-MC-PLG-21M8</a>
	Pg 29 HC	<a href="#">ZP-MC24B-2-DCP29ML</a>	\$70.00	0.782	<a href="#">ZP-MC-PLG-29M8</a>
Cover (Double Lever)	N/A	<a href="#">ZP-MC24B-2-DCVLM</a>	\$35.00	0.291	N/A
Cover (4 Peg)	N/A	<a href="#">ZP-MC24B-2-DCVPM</a>	\$14.50	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	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
	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
	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
	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
Double Lever / 4 Pegs	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
	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
	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
	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
Coupler (Double Lever)	ZP-MC-CG-21M5	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
	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
	Cover (Double Lever)	N/A	N/A	N/A	N/A
Cover (4 Peg)	Cover (4 Peg)	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	<a href="#">ZP-MC16B-1-MS016</a>	<a href="#">ZP-MC16B-1-MS016-2</a>	<a href="#">ZP-MC16B-1-MC016</a>
	Price	\$18.00	\$17.00	\$13.50      \$13.00
	Contact Size	N/A	N/A	<a href="#">ZP-MC-CC-M16A-XX*</a>
	Weight [lb]	0.180	0.181	0.123      0.126
Female	Part Number	<a href="#">ZP-MC16B-1-FS016</a>	<a href="#">ZP-MC16B-1-FS016-2</a>	<a href="#">ZP-MC16B-1-FC016</a>
	Price	\$18.00	\$18.00	\$13.50      \$11.50
	Contact Size	N/A	N/A	<a href="#">ZP-MC-CC-F16A-XX*</a>
	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	<a href="#">ZP-MC16B-1-MC072</a>	<a href="#">ZP-MC16B-1-MC072-2</a>
	Price	\$24.00	\$31.00
	Contact Size	<a href="#">ZP-MC-CC-M10A-XX*</a>	
	Weight [lb]	0.125	0.130
Female	Part Number	<a href="#">ZP-MC16B-1-FC072</a>	<a href="#">ZP-MC16B-1-FC072-2</a>
	Price	\$24.00	\$28.50
	Contact Size	<a href="#">ZP-MC-CC-F10A-XX*</a>	
	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



Single Lever Side Entry Hood



Single Lever Top Entry Hood HC



Surface Mount w/Cover



Single Lever Surface Mount Base HC



Bulkhead w/Cover



Single Lever Bulkhead Base



Single Lever Coupler



Single Lever Cover



Double Lever Top Entry Hood HC



Double Lever Side Entry Hood High Capacity



Double Lever Surface Mount Base



Double Lever Bulkhead Base

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	<a href="#">ZP-MC32B-2-SSE36M</a>	\$57.00	0.809	<a href="#">ZP-MC-PLG-36M8</a>
	Surface Mount Base (2 Peg)	Pg 36x2	<a href="#">ZP-MC32B-2-SSM36M</a>	\$67.50	1.446	<a href="#">ZP-MC-PLG-36M8</a>
	Surface Mount w/Cover	Pg 36x2	<a href="#">ZP-MC32B-2-SSM36C</a>	\$90.00	1.665	<a href="#">ZP-MC-PLG-36M8</a>
	Bulkhead Base (Single Lever)	N/A	<a href="#">ZP-MC32B-2-SBHM</a>	\$36.50	0.503	N/A
	Bulkhead w/Cover	N/A	<a href="#">ZP-MC32B-2-SBHC</a>	\$49.50	0.743	N/A
	Coupler (2 Peg)	Pg 36	<a href="#">ZP-MC32B-2-SCP36M</a>	Retired	1.058	<a href="#">ZP-MC-PLG-36M8</a>
	Cover (Single Lever)	N/A	<a href="#">ZP-MC32B-2-SCVLM</a>	\$31.00	0.417	N/A
Double Lever / 4 Pegs	Cover (2 Peg)	N/A	<a href="#">ZP-MC32B-2-SCVPM</a>	\$23.50	0.183	N/A
	Side Entry Hood (Double Lever)	Pg 36	<a href="#">ZP-MC32B-2-DSE36M</a>	\$63.50	0.849	<a href="#">ZP-MC-PLG-36M8</a>
	Surface Mount Base (4 Peg)	Pg 36x2	<a href="#">ZP-MC32B-2-DSM36M</a>	\$126.00	1.407	<a href="#">ZP-MC-PLG-36M8</a>
	Bulkhead Base (Double Lever)	N/A	<a href="#">ZP-MC32B-2-DBHM</a>	\$53.50	0.549	N/A
	Coupler (Double Lever)	Pg 36	<a href="#">ZP-MC32B-2-DCP36M</a>	Retired	1.065	<a href="#">ZP-MC-PLG-36M8</a>
	Cover (Double Lever)	N/A	<a href="#">ZP-MC32B-2-DCVLM</a>	\$45.50	0.426	N/A
	Cover (4 Peg)	N/A	<a href="#">ZP-MC32B-2-DCVPM</a>	\$31.00	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)	<a href="#">ZP-MC-CG-36M5</a>	<a href="#">ZP-MC-CG-36M8</a>	<a href="#">ZP-MC-A-36114</a>
	Side Entry Hood (Single Lever)	<a href="#">ZP-MC-CG-36M5</a>	<a href="#">ZP-MC-CG-36M8</a>	<a href="#">ZP-MC-A-36114</a>
	Surface Mount Base (2 Peg)	<a href="#">ZP-MC-CG-36M5</a>	<a href="#">ZP-MC-CG-36M8</a>	<a href="#">ZP-MC-A-36114</a>
	Surface Mount w/Cover	<a href="#">ZP-MC-CG-36M5</a>	<a href="#">ZP-MC-CG-36M8</a>	<a href="#">ZP-MC-A-36114</a>
	Bulkhead Base (Single Lever)	N/A	N/A	N/A
	Bulkhead w/Cover	N/A	N/A	N/A
	Coupler (2 Peg)	<a href="#">ZP-MC-CG-36M5</a>	<a href="#">ZP-MC-CG-36M8</a>	<a href="#">ZP-MC-A-36114</a>
Double Lever / 4 Pegs	Cover (Single Lever)	N/A	N/A	N/A
	Cover (2 Peg)	N/A	N/A	N/A
	Top Entry Hood (Double Lever)	N/A	<a href="#">ZP-MC-CG-36M8</a>	<a href="#">ZP-MC-A-36114</a>
	Side Entry Hood (Double Lever)	N/A	<a href="#">ZP-MC-CG-36M8</a>	<a href="#">ZP-MC-A-36114</a>
	Surface Mount Base (4 Peg)	<a href="#">ZP-MC-CG-36M5</a>	<a href="#">ZP-MC-CG-36M8</a>	<a href="#">ZP-MC-A-36114</a>
	Bulkhead Base (Double Lever)	N/A	N/A	N/A
	Coupler (Double Lever)	<a href="#">ZP-MC-CG-36M5</a>	<a href="#">ZP-MC-CG-36M8</a>	<a href="#">ZP-MC-A-36114</a>
	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.

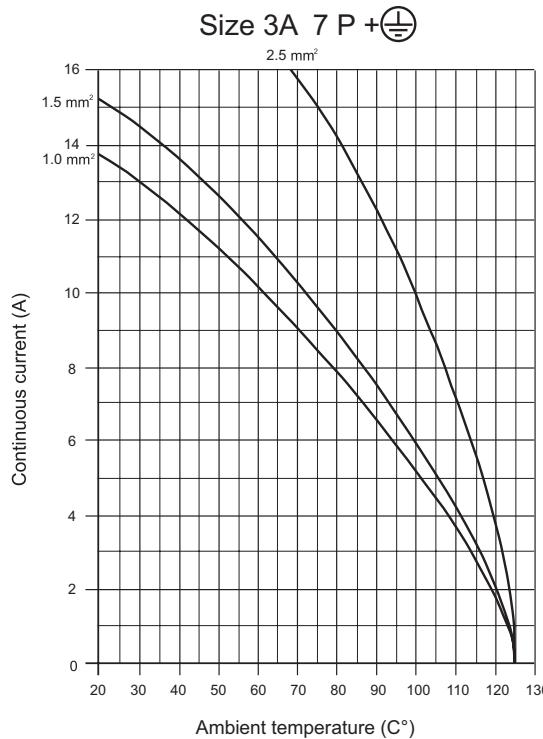
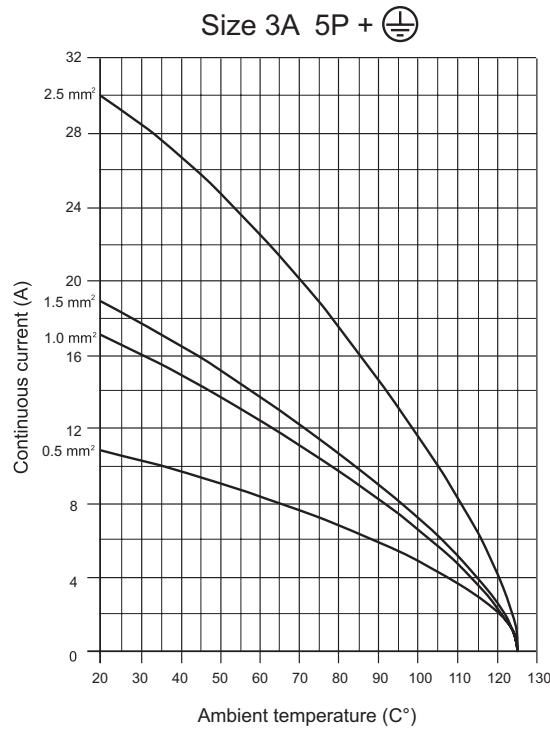
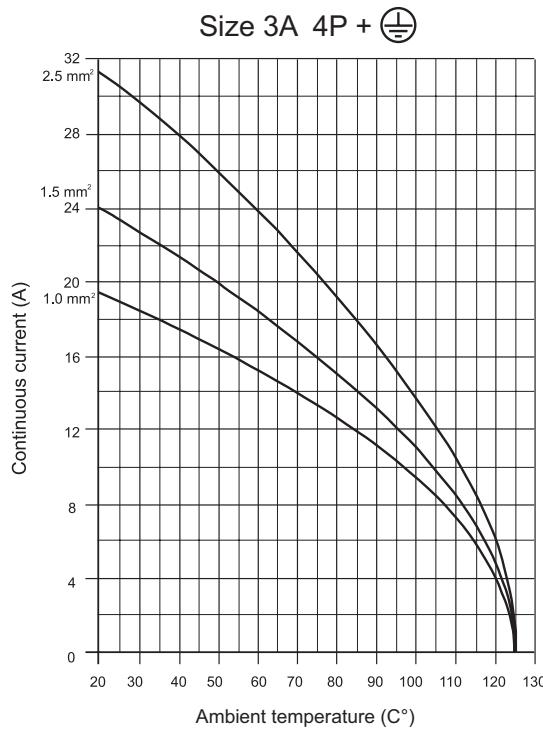
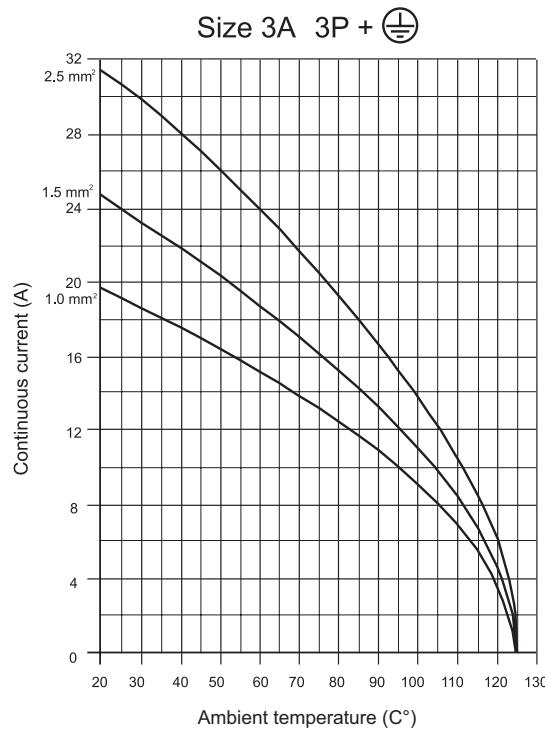
# **ZIP port<sup>®</sup> STD Series Multi-Wire Connectors**

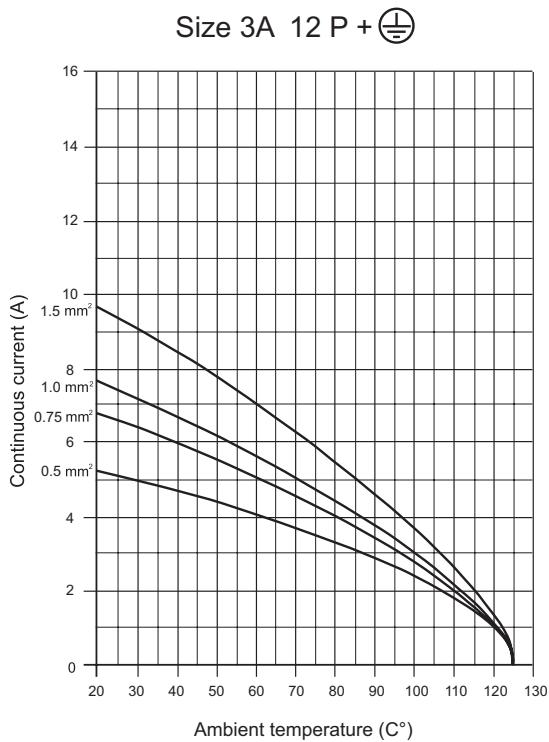
## Electrical Engineering Data - Load Diagrams

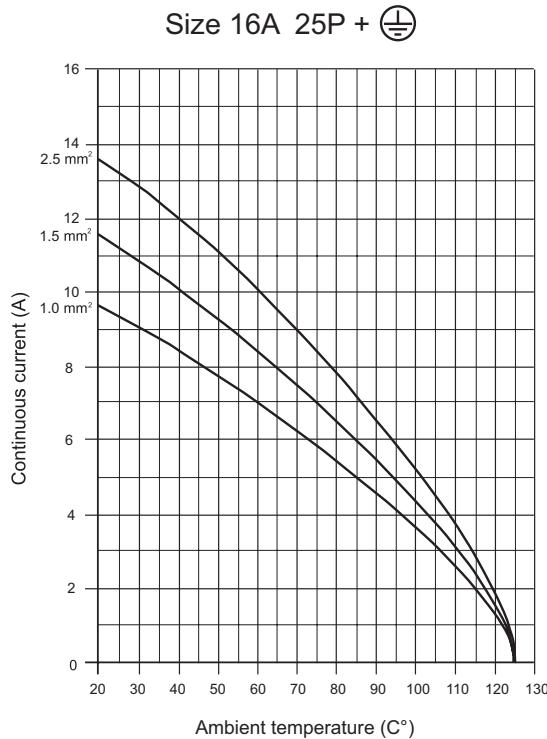
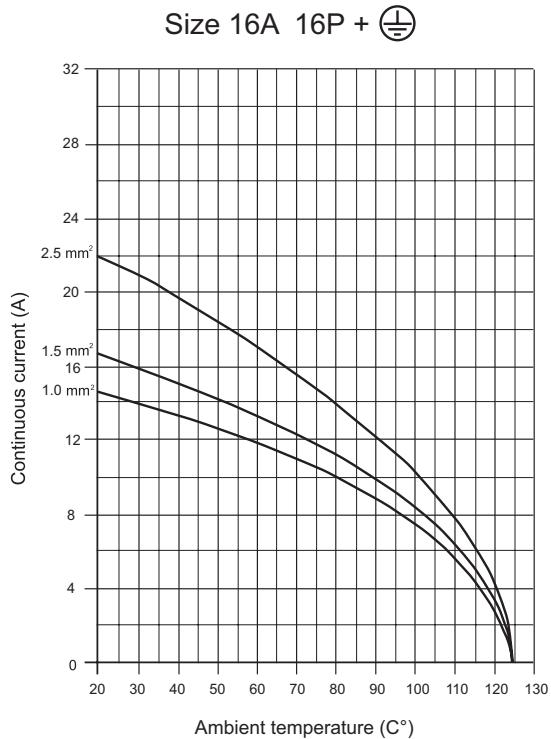
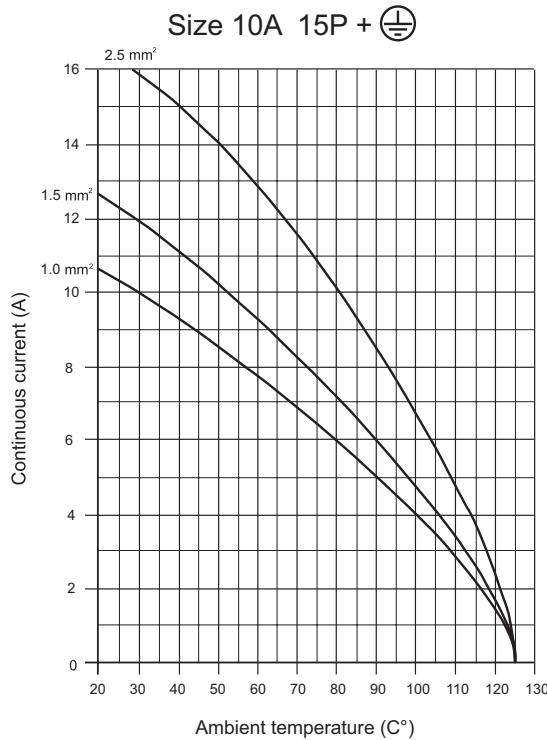
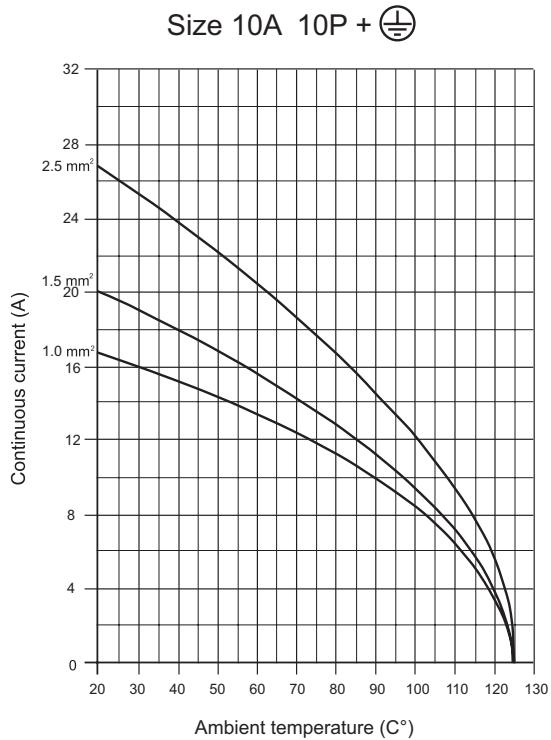
### **Derating diagram According to IEC/EN 60512**

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.

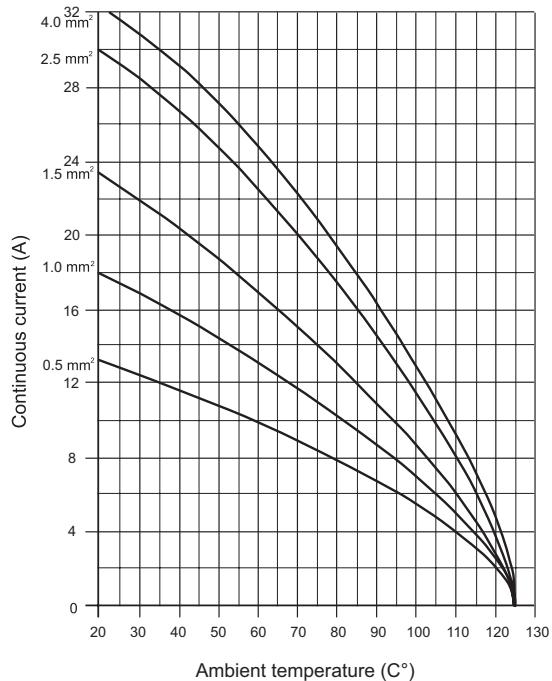


**ZIPport® STD Series Multi-Wire Connectors****Electrical Engineering Data - Load Diagrams**

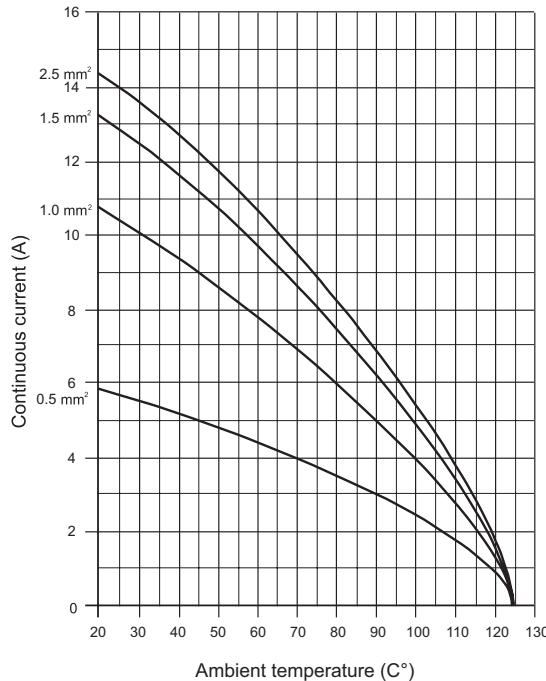
**ZIPport® STD Series Multi-Wire Connectors**
**Electrical Engineering Data - Load Diagrams**


**ZIPport® STD Series Multi-Wire Connectors**
**Electrical Engineering Data - Load Diagrams**

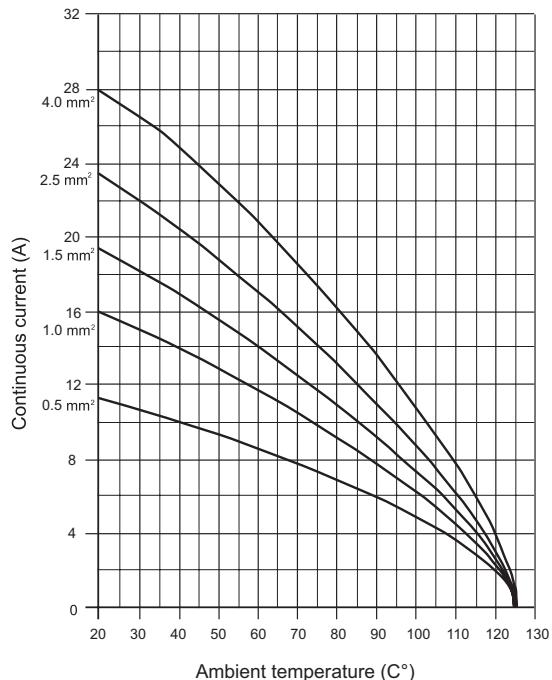
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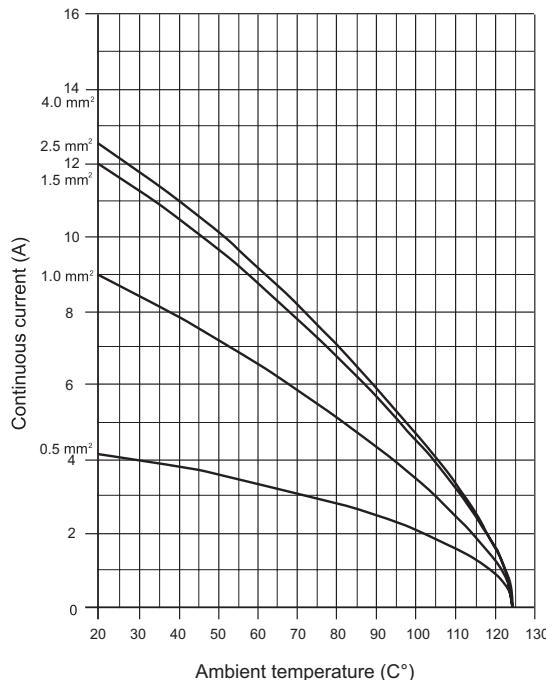
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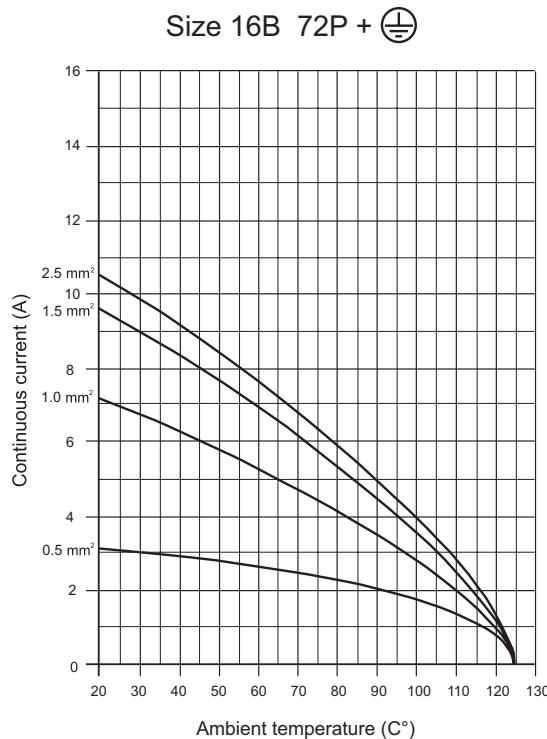
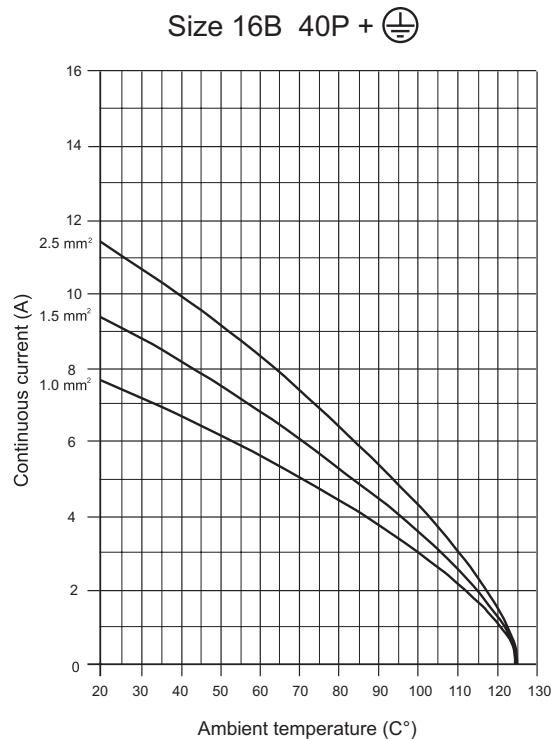
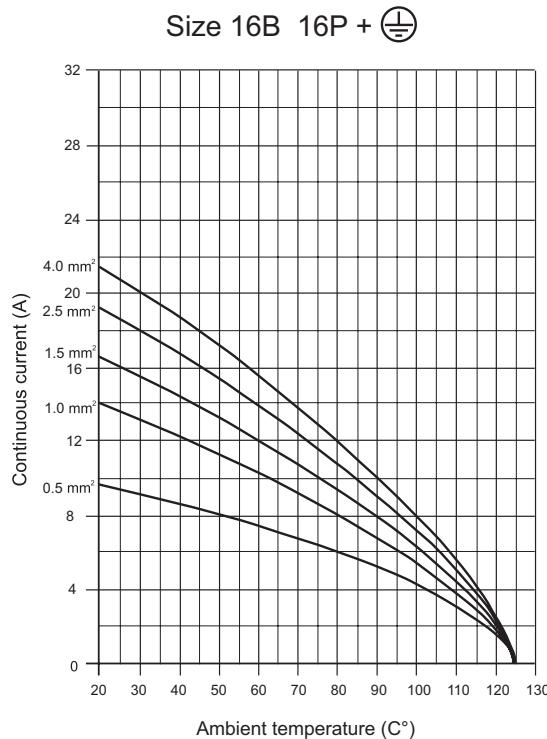
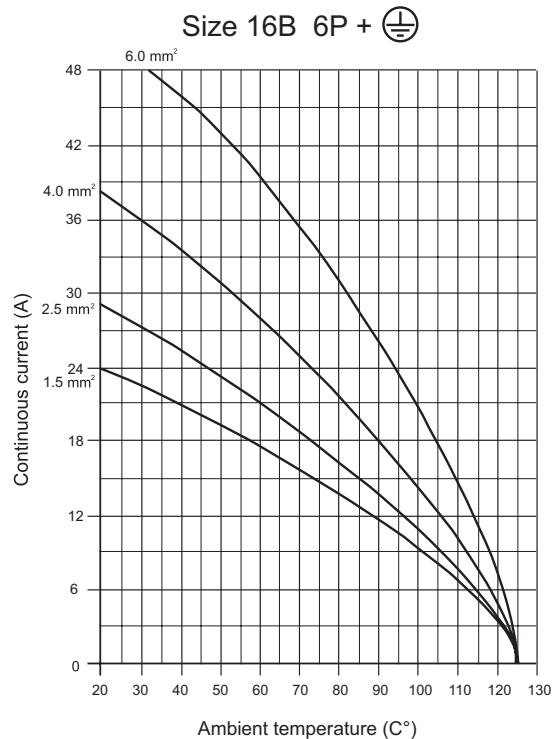


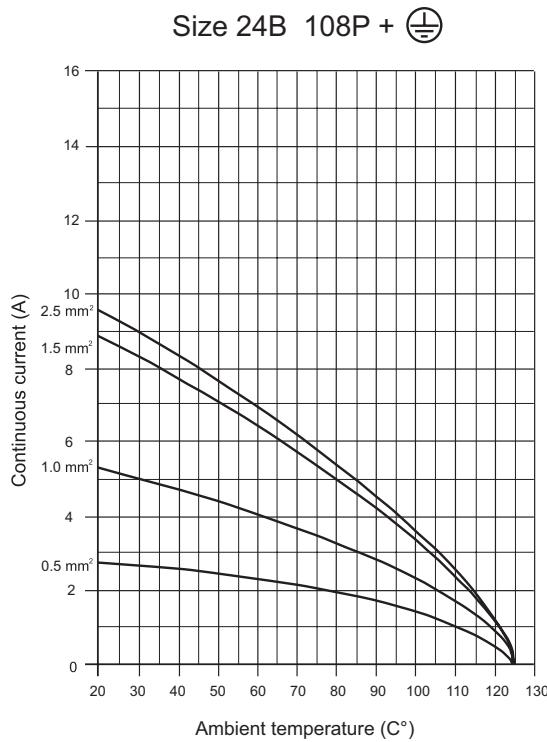
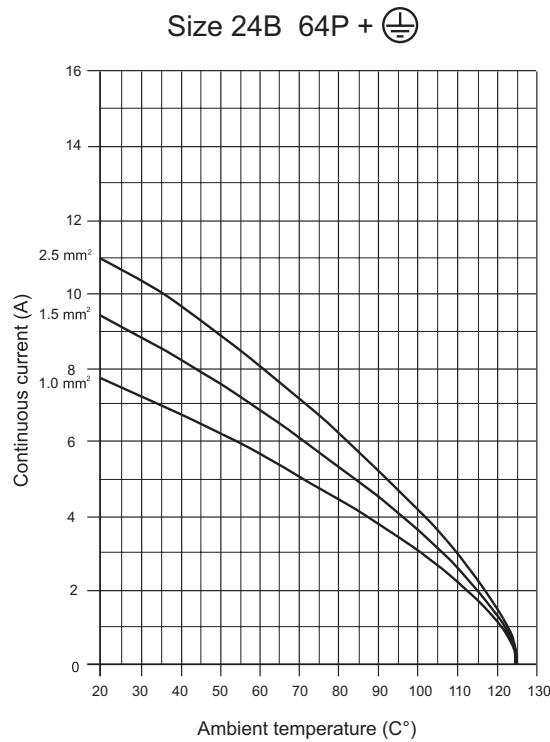
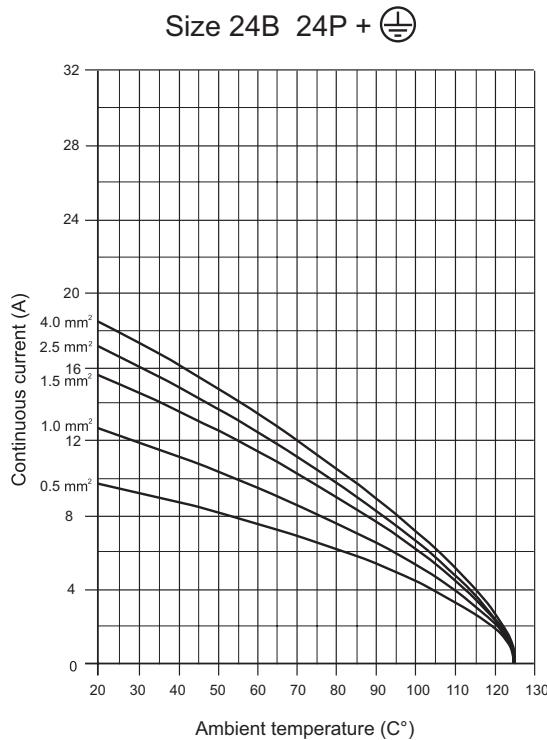
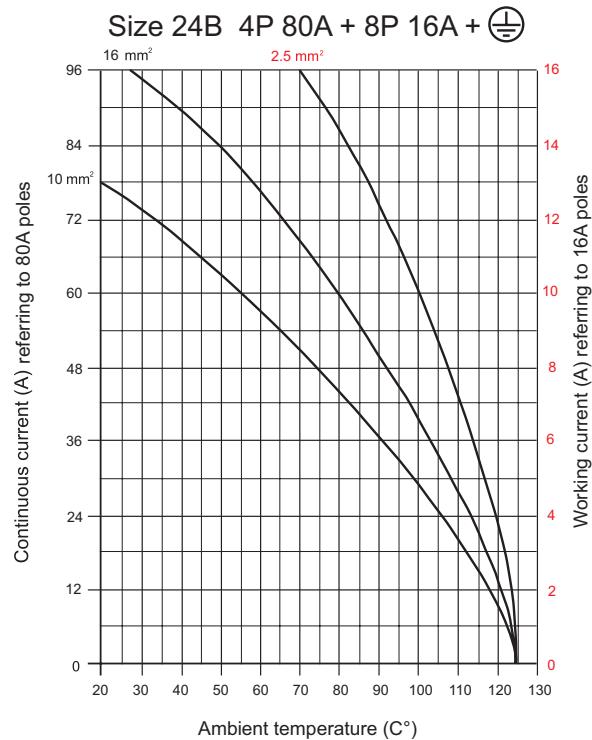
Size 10B 10P +

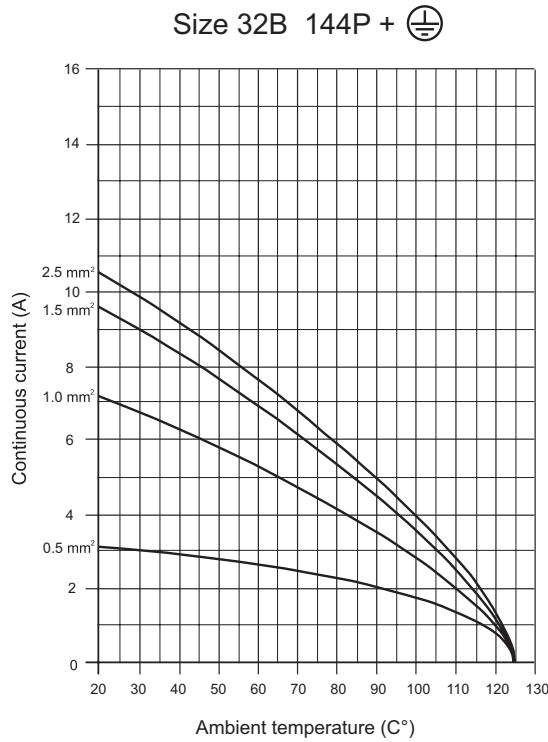
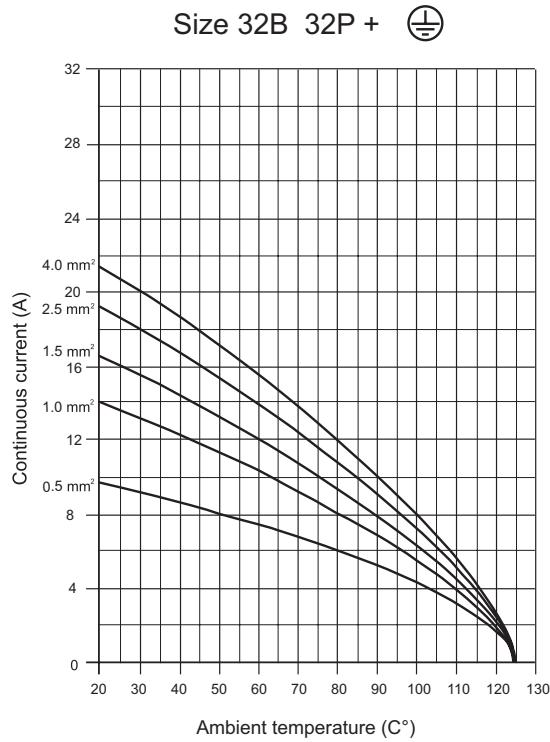


Size 10B 42P +



**ZIP port® STD Series Multi-Wire Connectors**
**Electrical Engineering Data - Load Diagrams**


**ZIPport® STD Series Multi-Wire Connectors**
**Electrical Engineering Data - Load Diagrams**


**ZIP port STD Series Multi-Wire Connectors****Electrical Engineering Data - Load Diagrams**



# 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 <sup>2</sup> [AWG]	Stripping Length
Silver-Plated	<a href="#">ZP-MC-CC-M10A-22</a>	\$55.00	0.150	<a href="#">ZP-MC-CC-F10A-22</a>	\$58.50	0.150	0.14-0.37 [26-22]	8 mm [0.32 in]
	<a href="#">ZP-MC-CC-M10A-20</a>	\$55.00	0.150	<a href="#">ZP-MC-CC-F10A-20</a>	\$60.50	0.140	0.5 [20]	
	<a href="#">ZP-MC-CC-M10A-18</a>	\$55.00	0.150	<a href="#">ZP-MC-CC-F10A-18</a>	\$60.50	0.150	0.75 [18]	
	<a href="#">ZP-MC-CC-M10A-16</a>	\$55.00	0.150	<a href="#">ZP-MC-CC-F10A-16</a>	\$60.50	0.140	1.5 [16]	
	<a href="#">ZP-MC-CC-M10A-14</a>	\$55.00	0.140	<a href="#">ZP-MC-CC-F10A-14</a>	\$60.50	0.150	2.5 [14]	
Gold-Plated	<a href="#">ZP-MC-CC-M10A-22G</a>	\$114.00	0.157	<a href="#">ZP-MC-CC-F10A-22G</a>	\$122.00	0.159	0.14-0.37 [26-22]	8 mm [0.32 in]
	<a href="#">ZP-MC-CC-M10A-20G</a>	\$114.00	0.150	<a href="#">ZP-MC-CC-F10A-20G</a>	\$122.00	0.157	0.5 [20]	
	<a href="#">ZP-MC-CC-M10A-18G</a>	\$114.00	0.146	<a href="#">ZP-MC-CC-F10A-18G</a>	\$141.00	0.150	0.75 [18]	
	<a href="#">ZP-MC-CC-M10A-16G</a>	\$114.00	0.146	<a href="#">ZP-MC-CC-F10A-16G</a>	\$122.00	0.150	1.5 [16]	
	<a href="#">ZP-MC-CC-M10A-14G</a>	\$114.00	0.146	<a href="#">ZP-MC-CC-F10A-14G</a>	\$122.00	0.152	2.5 [14]	



Male Crimp Contact



Female Crimp Contact



Male Crimp Contact



Female Crimp Contact

16 Amp Crimp Contacts - 100/Pack								
	Male	Price	Weight [lb]	Female	Price	Weight [lb]	Wire Gauge mm <sup>2</sup> [AWG]	Stripping Length
Silver-Plated	<a href="#">ZP-MC-CC-M16A-22</a>	\$54.50	0.280	<a href="#">ZP-MC-CC-F16A-22</a>	\$48.00	0.280	0.14-0.37 [26-22]	7.5 mm [0.29 in]
	<a href="#">ZP-MC-CC-M16A-20</a>	\$58.50	0.360	<a href="#">ZP-MC-CC-F16A-20</a>	\$48.00	0.350	0.5 [20]	
	<a href="#">ZP-MC-CC-M16A-18</a>	\$53.50	0.270	<a href="#">ZP-MC-CC-F16A-18</a>	\$49.50	0.290	0.75 [18]	
	<a href="#">ZP-MC-CC-M16A-16</a>	\$54.50	0.350	<a href="#">ZP-MC-CC-F16A-16</a>	\$48.00	0.350	1.5 [16]	
	<a href="#">ZP-MC-CC-M16A-14</a>	\$54.50	0.270	<a href="#">ZP-MC-CC-F16A-14</a>	\$48.00	0.280	2.5 [14]	
	<a href="#">ZP-MC-CC-M16A-12</a>	\$54.50	0.350	<a href="#">ZP-MC-CC-F16A-12</a>	\$48.00	0.350	4.0 [12]	
Gold-Plated	<a href="#">ZP-MC-CC-M16A-22G</a>	\$164.00	0.280	<a href="#">ZP-MC-CC-F16A-22G</a>	\$250.00	0.322	0.14-0.37 [26-22]	7.5 mm [0.29 in]
	<a href="#">ZP-MC-CC-M16A-20G</a>	\$164.00	0.276	<a href="#">ZP-MC-CC-F16A-20G</a>	\$250.00	0.318	0.5 [20]	
	<a href="#">ZP-MC-CC-M16A-18G</a>	\$164.00	0.273	<a href="#">ZP-MC-CC-F16A-18G</a>	\$250.00	0.315	0.75 [18]	
	<a href="#">ZP-MC-CC-M16A-16G</a>	\$164.00	0.273	<a href="#">ZP-MC-CC-F16A-16G</a>	\$250.00	0.320	1.5 [16]	
	<a href="#">ZP-MC-CC-M16A-14G</a>	\$169.00	0.276	<a href="#">ZP-MC-CC-F16A-14G</a>	\$250.00	0.320	2.5 [14]	
	<a href="#">ZP-MC-CC-M16A-12G</a>	\$164.00	0.273	<a href="#">ZP-MC-CC-F16A-12G</a>	\$250.00	0.329	4.0 [12]	

Note: The crimp contact ampacities listed above are the Maximum current ratings for the crimp contacts only.

The current rating DOES NOT reflect the wire gauge current rating.

Crimp Contact Tools				
Part Number	Price	Qty	Description	Weight [lb]
<a href="#">ZP-MC-CT1</a>	\$853.00	1	Crimping tool w/die set and locator	1.593
<a href="#">ZP-MC-CT2</a>	\$123.00		Crimping tool w/die set only, no locator	0.814
<a href="#">ZP-MC-RT1</a>	\$128.00		Removal tool for 10A contacts	0.081
<a href="#">ZP-MC-RT2</a>	\$116.00		Removal tool for 16A contacts	0.086



ZP-MC-CT1



ZP-MC-CT2



ZP-MC-RT1



ZP-MC-RT2



# STD Series Multi-Wire Connectors Spare Parts and Accessories

## Cable Glands

### IP66 Glands

#### Plastic

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

#### Metal

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

### IP68 Glands

#### Metal

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



**IP66 Cable Glands - Plastic**



**IP66 Cable Glands - Metal**

IP66 Cable Glands						
Part Number	Price	Qty	Type	Cable Diameter mm [in]	Thread	Weight [lb]
ZP-MC-CG-11P5	\$2.50	1	Plastic	7-12 [0.275-0.472]	Pg 11	0.019
ZP-MC-CG-11M5	\$5.00			7-12 [0.275-0.472]	Pg 11	0.030
ZP-MC-CG-13M5	\$4.00		Metal	7-12 [0.275-0.472]	Pg 13.5	0.031
ZP-MC-CG-16M5	\$4.50			7-14.5 [0.275-0.570]	Pg 16	0.041
ZP-MC-CG-21M5	\$5.00			9.5-18.5 [0.374-0.728]	Pg 21	0.070
ZP-MC-CG-29M5	\$7.00			17.5-26.5 [0.688-1.043]	Pg 29	0.125
ZP-MC-CG-36M5	\$14.50			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



**IP68 Cable Glands**

IP68 Cable Glands						
Part Number	Price	Qty	Type	Thread	Diameter mm [in]	Weight [lb]
ZP-MC-CG-11M8	\$48.00	10 per pack	Metal	Pg 11	4-10 [0.157-0.393]	0.451
ZP-MC-CG-13M8	\$65.00			Pg 13.5	5-12 [0.197-0.472]	0.780
ZP-MC-CG-16M8	\$91.00			Pg 16	8-14 [0.314-0.551]	0.881
ZP-MC-CG-21M8	\$74.00			Pg 21	11-18 [0.433-0.708]	0.727
ZP-MC-CG-29M8	\$116.00			Pg 29	16-25 [0.629-0.984]	1.466
ZP-MC-CG-36M8	\$191.00			Pg 36	19-36 [0.748-1.417]	2.205

# **ZIPport® 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

<b>Blanking Plugs With Gasket</b>					
<b>Part Number</b>	<b>Price</b>	<b>Qty</b>	<b>Type</b>	<b>Thread</b>	<b>Weight [lb]</b>
<a href="#"><u>ZP-MC-PLG-11M8</u></a>	\$34.00	10 per pack	Metal	Pg 11	0.169
<a href="#"><u>ZP-MC-PLG-13M8</u></a>	\$25.50			Pg 13.5	0.192
<a href="#"><u>ZP-MC-PLG-16M8</u></a>	\$48.00			Pg 16	0.253
<a href="#"><u>ZP-MC-PLG-21M8</u></a>	\$77.00			Pg 21	0.478
<a href="#"><u>ZP-MC-PLG-29M8</u></a>	\$78.00			Pg 29	0.218
<a href="#"><u>ZP-MC-PLG-36M8</u></a>	\$85.00			Pg 36	0.706



**Blanking Plugs With Gasket**

## **Pg to NPT Adapters**

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

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

<b>Pg to NPT Adapters</b>						
<b>Part Number</b>	<b>Price</b>	<b>Qty</b>	<b>Type</b>	<b>Pg Thread</b>	<b>NPT Thread</b>	<b>Weight [lb]</b>
<a href="#"><u>ZP-MC-A-11038</u></a>	\$14.50	1	Metal	Pg 11	3/8"	0.044
<a href="#"><u>ZP-MC-A-11012</u></a>	\$10.50			Pg 11	1/2"	0.072
<a href="#"><u>ZP-MC-A-13012</u></a>	\$7.00			Pg 13.5	1/2"	0.106
<a href="#"><u>ZP-MC-A-16012</u></a>	\$17.00			Pg 16	1/2"	0.070
<a href="#"><u>ZP-MC-A-21034</u></a>	\$19.50			Pg 21	3/4"	0.101
<a href="#"><u>ZP-MC-A-29100</u></a>	\$32.50			Pg 29	1"	0.194
<a href="#"><u>ZP-MC-A-29114</u></a>	\$34.00			Pg 29	1 1/4"	0.238
<a href="#"><u>ZP-MC-A-36114</u></a>	\$27.00			Pg 36	1 1/4"	0.201



**Pg to NPT Adapters**

## **Replacement Gaskets**

<b>Replacement Gaskets</b>						
<b>Part Number</b>	<b>Price</b>	<b>Qty</b>	<b>Size</b>	<b>Type</b>	<b>Material</b>	<b>Weight [lb]</b>
<a href="#"><u>ZP-MC03A-GSK</u></a>	\$14.50	10 per pack	3A	For bulkhead housings	Nitrile Butadiene Rubber (NBR)	0.085
<a href="#"><u>ZP-MC10A-GSK</u></a>	\$11.50		10A			0.082
<a href="#"><u>ZP-MC16A-GSK</u></a>	\$11.50		16A			0.079
<a href="#"><u>ZP-MC06B-GSK</u></a>	\$13.50		6B			0.097
<a href="#"><u>ZP-MC10B-GSK</u></a>	\$14.50		10B			0.105
<a href="#"><u>ZP-MC16B-GSK</u></a>	\$15.50		16B			0.127
<a href="#"><u>ZP-MC24B-GSK</u></a>	\$17.00		24B			0.141
<a href="#"><u>ZP-MC32B-GSK</u></a>	\$28.50		32B			0.229



**Replacement Gaskets**



# STD Series Multi-Wire Connectors Spare Parts and Accessories

## Insert Plates with Cutouts

Insert Plates with Cutouts				
Part Number	Price	Qty	Description	Weight [lb]
<a href="#">ZP-MC6B-2-1XDB9</a>	\$3.50	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
<a href="#">ZP-MC6B-2-2XDB9</a>	\$3.50		ZIPport insert plate, (2) 9-pin D-subs connector cutout(s), thermoplastic, RAL 7044 gray. For use with ZIPport size 6B connector housing.	0.0154
<a href="#">ZP-MC6B-2-1XDB15</a>	\$3.50		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
<a href="#">ZP-MC6B-2-2XDB15</a>	\$3.50		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]
<a href="#">ZP-MC24B-2-RD6B</a>	\$10.50	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
<a href="#">ZP-MC24B-2-RD10B</a>	\$10.50		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
<a href="#">ZP-MC24B-2-RD16B</a>	\$10.50		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]
<a href="#">ZP-MC6B-2-BLANK</a>	\$8.00	1	ZIPport bulkhead cutout blank cover plate, thermoplastic, RAL 7044 gray. For use with ZIPport size 6B bulkhead cutouts. Gasket included.	0.4343
<a href="#">ZP-MC10B-2-BLANK</a>	\$8.00		ZIPport bulkhead cutout blank cover plate, thermoplastic, RAL 7044 gray. For use with ZIPport size 10B bulkhead cutouts. Gasket included.	0.0463
<a href="#">ZP-MC16B-2-BLANK</a>	\$5.50		ZIPport bulkhead cutout blank cover plate, thermoplastic, RAL 7044 gray. For use with ZIPport size 16B bulkhead cutouts. Gasket included.	0.0529
<a href="#">ZP-MC24B-2-BLANK</a>	\$10.50		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**

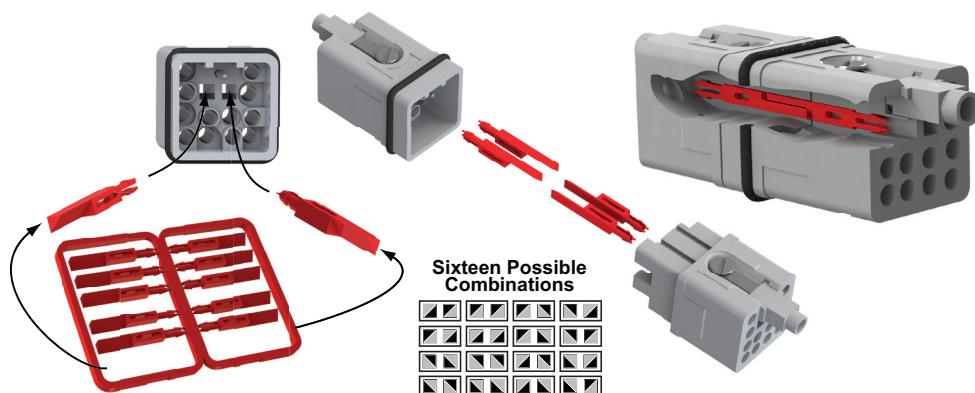
<b>DIN Rail Mounting Kits</b>				
<i>Part Number</i>	<i>Price</i>	<i>Qty</i>	<i>Description</i>	<i>Weight [lb]</i>
<a href="#"><b>ZP-MC06B-DKIT</b></a>	\$38.00	1	For size 6B inserts	0.374
<a href="#"><b>ZP-MC10B-DKIT</b></a>	\$38.00		For size 10B inserts	0.377
<a href="#"><b>ZP-MC16B-DKIT</b></a>	\$45.00		For size 16B inserts	0.385
<a href="#"><b>ZP-MC24B-DKIT</b></a>	\$45.00		For size 24B inserts	0.392
<a href="#"><b>ZP-MC-RT3</b></a>	\$304.00		Insert removal tool	0.052

## Replacement Screws/Polarization Key

<b>Replacement Screws / Polarization Key</b>					
<i>Part Number</i>	<i>Price</i>	<i>Qty</i>	<i>Description</i>	<i>Weight [lb]</i>	
<a href="#"><b>ZP-MC-SCRWKIT</b></a>	\$11.50	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		
<a href="#"><b>ZP-MC-POLKEY-1</b></a>	\$7.50	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	\$17.00	16 per pack	Single code pin	1	0.009
ZP-MC-CODEPIN-3	\$13.50	16 per pack	Male code pin (use w/ZP-MC-CODEPIN-4)	2	0.064
ZP-MC-CODEPIN-4	\$32.50	16 per pack	Female code pin (use w/ZP-MC-CODEPIN-3)	3	0.101

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



Figure 1



Figure 2



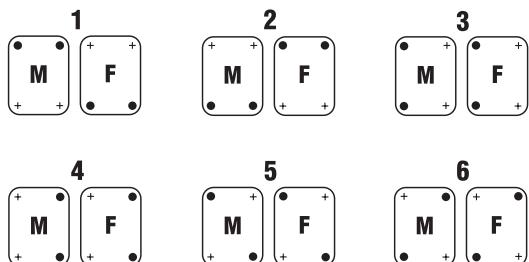
Figure 3

## Coding Pin Configurations

### Single Code Pin

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

### Application with single insert



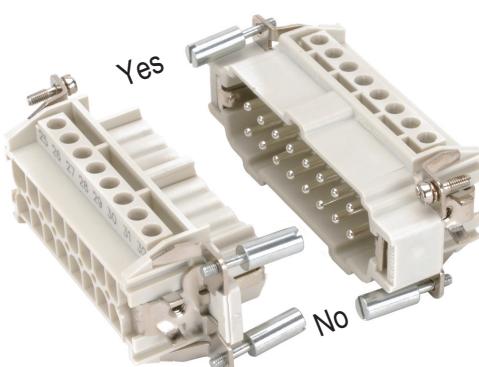
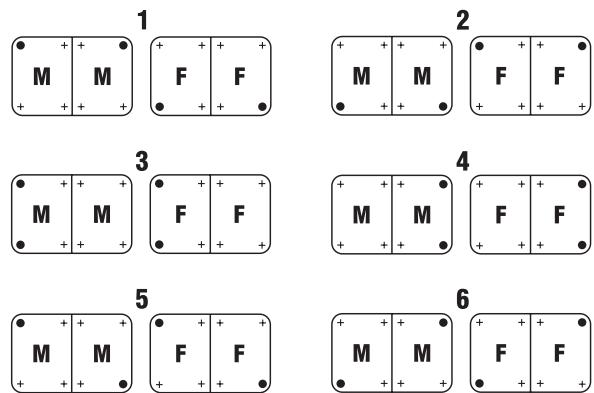
● Code pin ZP-MC-CODEPIN-2

⊕ Normal fixing screw

M Male insert

F Female insert

### Application with double insert





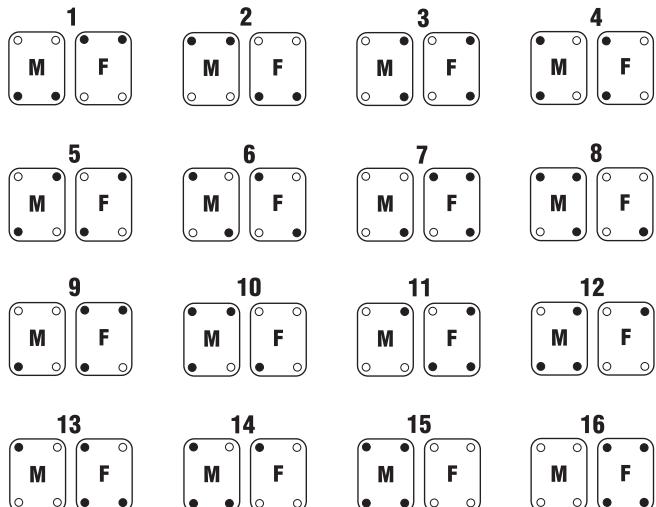
# STD Series Multi-Wire Connectors Spare Parts and Accessories

## Coding Pin Configurations

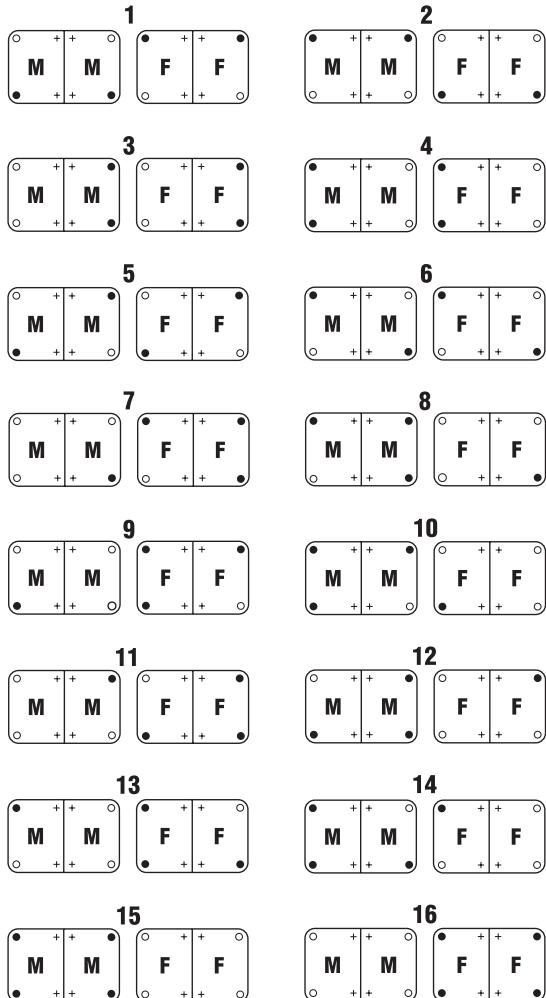
### Male / Female Code Pins

The ZP-MC-CODEPIN-3 and the ZP-MC-CODEPIN-4 are designed to be used together using the following configurations.

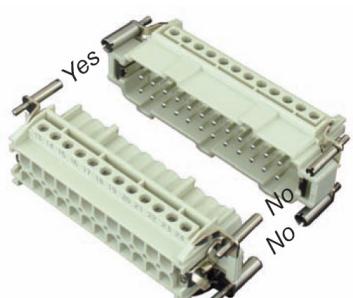
**Application with single insert**



**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

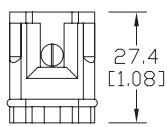
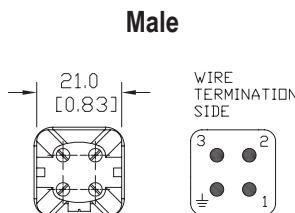


# **ZIPport® STD Series Multi-Wire Dimensions**

## Size 3A Inserts

**Dimensions mm [in]**

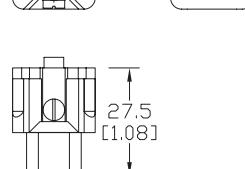
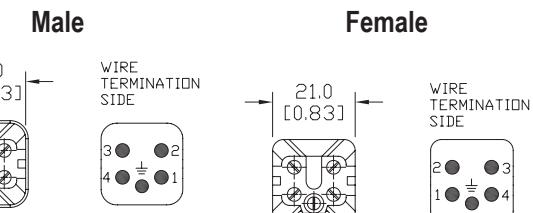
### 3 + $\ominus$ – Screw Terminals



[ZP-MC03A-1-MS003](#)

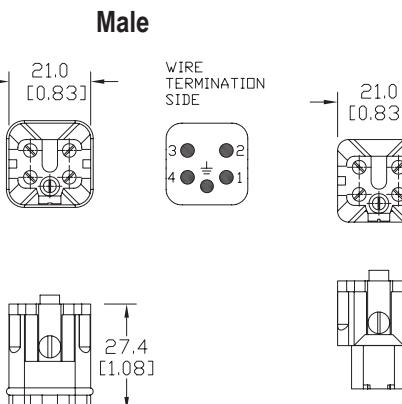
### Female

### 4 + $\ominus$ – Screw Terminals



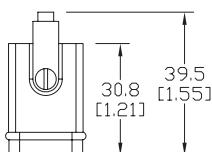
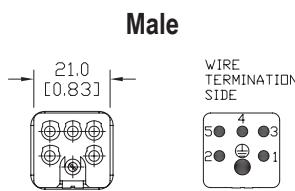
[ZP-MC03A-1-FS003](#)

### Male



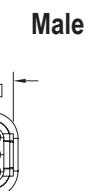
[ZP-MC03A-1-MS004](#)

### 7 + $\ominus$ – Crimp Contacts



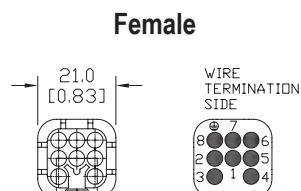
[ZP-MC03A-1-MC005](#)

### Female

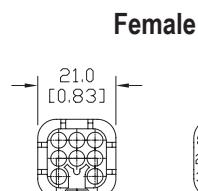


[ZP-MC03A-1-MC007](#)

### Male



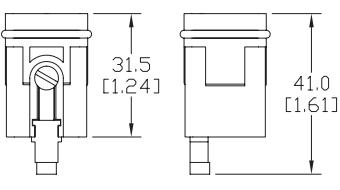
[ZP-MC03A-1-FC005](#)



[ZP-MC03A-1-FC007](#)

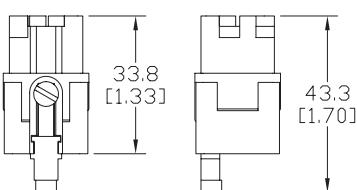
### 12 + $\ominus$ – Crimp Contacts

### Male



[ZP-MC03A-1-MC012](#)

### Female



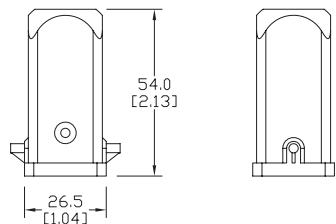
[ZP-MC03A-1-FC012](#)

# **ZIPport® STD Series Multi-Wire Dimensions**

## **Size 3A Hoods and Housings**

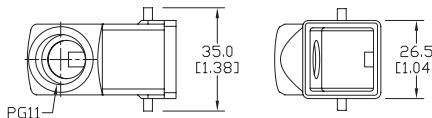
**Dimensions mm [in]**

**Straight Hood**



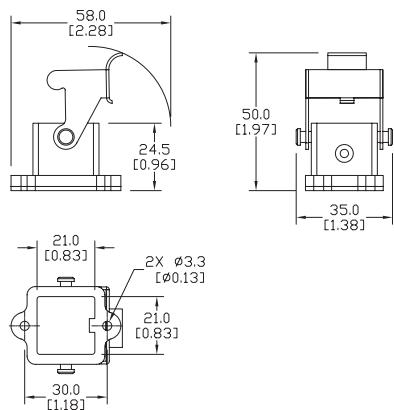
**ZP-MC03A-2-STE11M &  
ZP-MC03A-2-STE11P**

**Angled Hood**



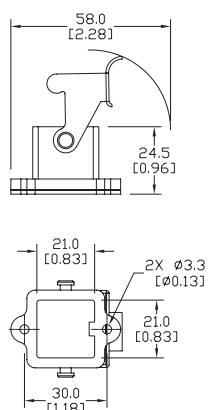
**ZP-MC03A-2-SSE11M &  
ZP-MC03A-2-SSE11P**

**Bulkhead Straight Base**



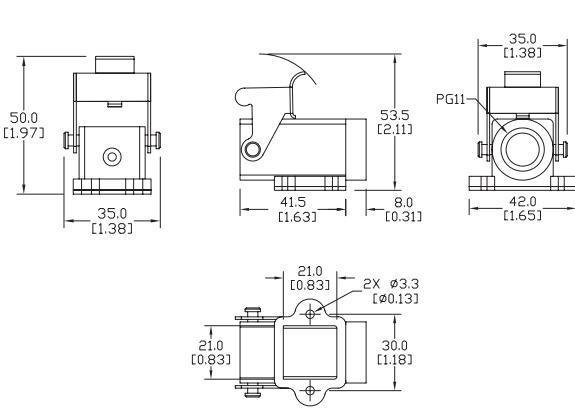
**ZP-MC03A-2-SBHM &  
ZP-MC03A-2-SBHP**

**Bulkhead Angled Base**



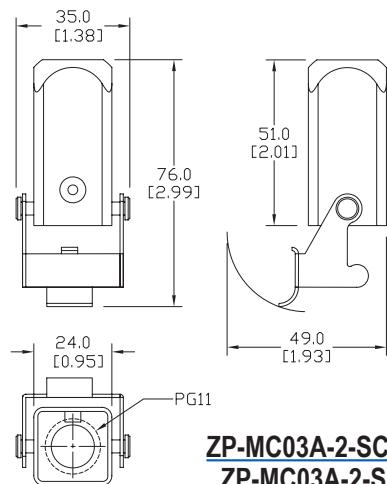
**ZP-MC03A-2-SBHAM &  
ZP-MC03A-2-SBHAP**

**Surface Mount Base**



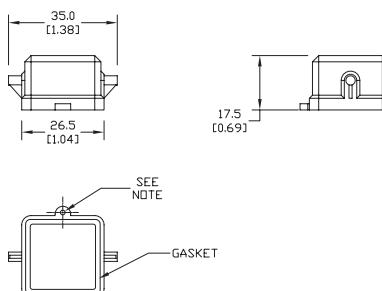
**ZP-MC03A-2-SSM11M &  
ZP-MC03A-2-SSM11P**

**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-SCVPMM &  
ZP-MC03A-2-SCVPMP**

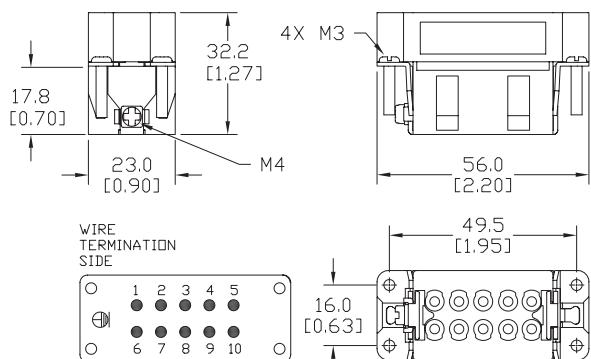
# **ZIPport® STD Series Multi-Wire Dimensions**

## **Size 10A Inserts**

**Dimensions mm [in]**

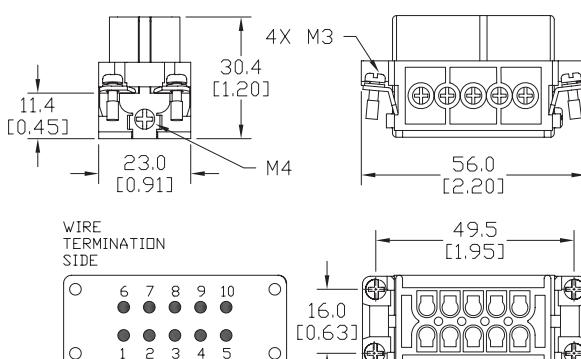
**10 +  $\ominus$  – Screw Terminals**

### **Male**



ZP-MC10A-1-MS010

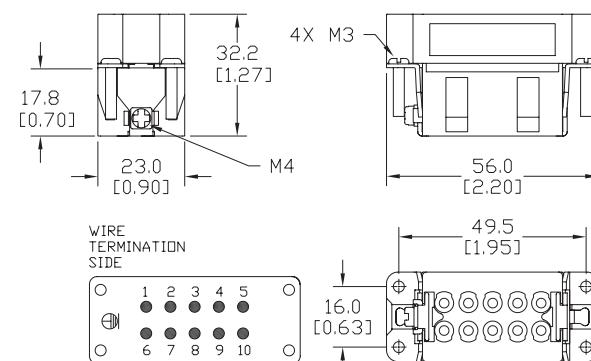
### **Female**



ZP-MC10A-1-FS010

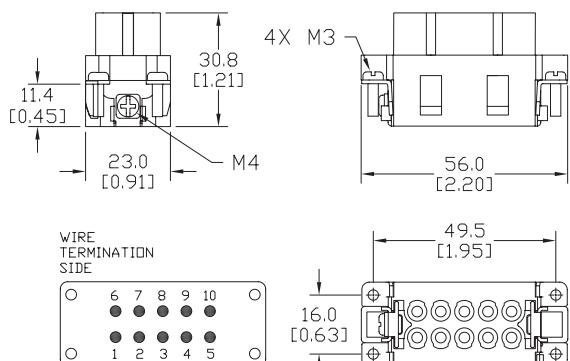
**10 +  $\ominus$  – Crimp Contacts**

### **Male**



ZP-MC10A-1-MC010

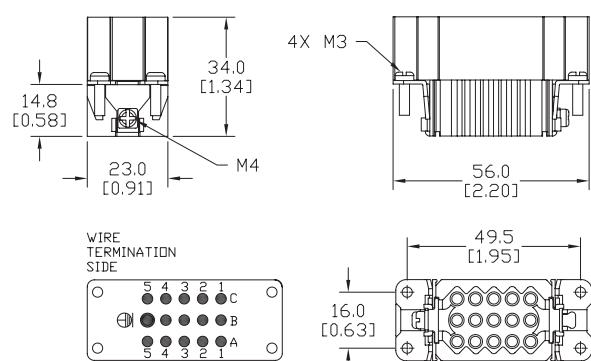
### **Female**



ZP-MC10A-1-FC010

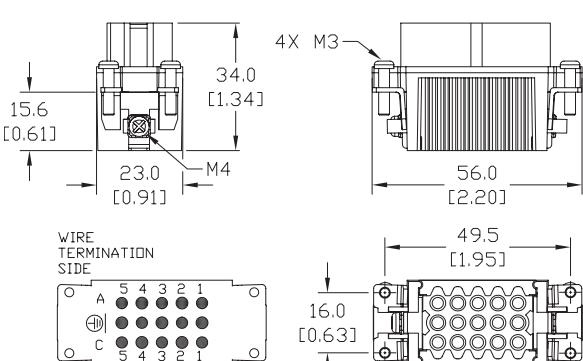
**15 +  $\ominus$  – Crimp Contacts**

### **Male**



ZP-MC10A-1-MC015

### **Female**



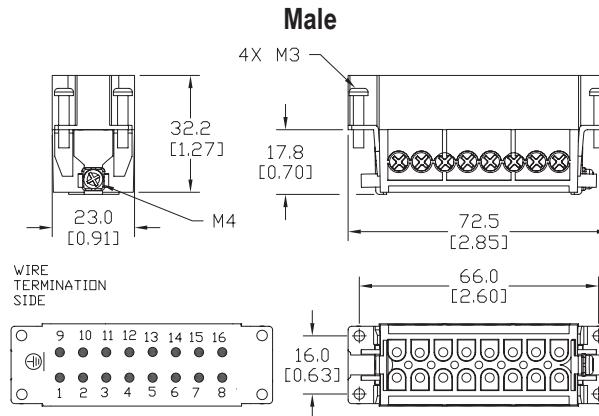
ZP-MC10A-1-FC015

# **ZIPport® STD Series Multi-Wire Dimensions**

## Size 16A Inserts

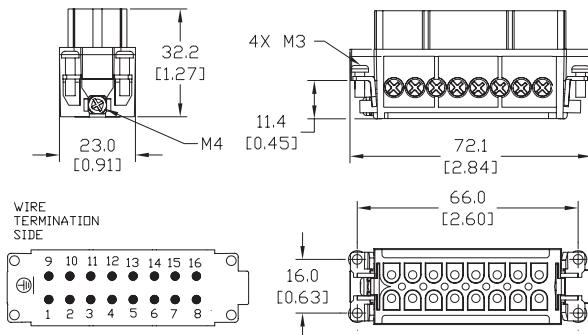
**Dimensions mm [in]**

**16 +  – Screw Terminals**



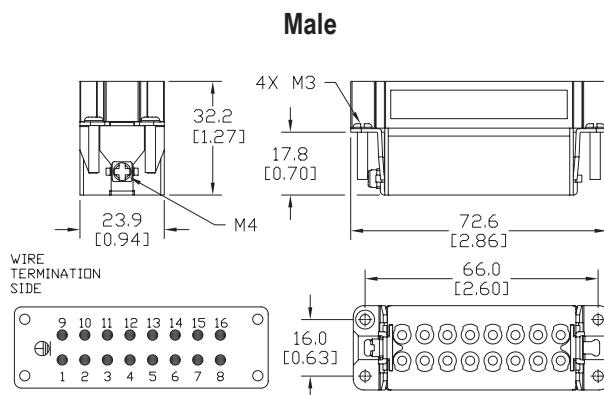
[ZP-MC16A-1-MS016](#)

**Female**



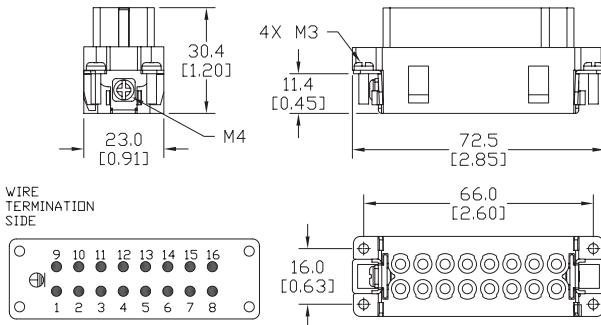
[ZP-MC16A-1-FS016](#)

**16 +  – Crimp Contacts**



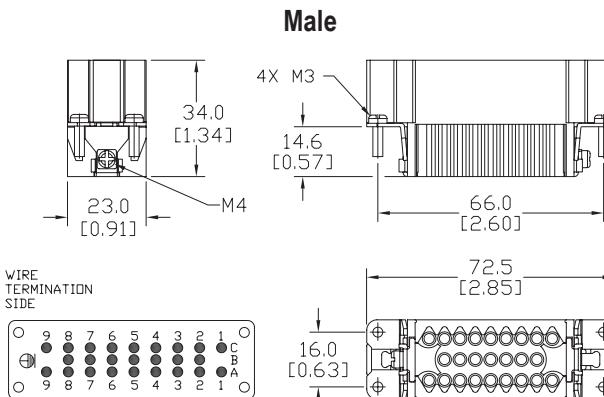
[ZP-MC16A-1-MC016](#)

**Female**



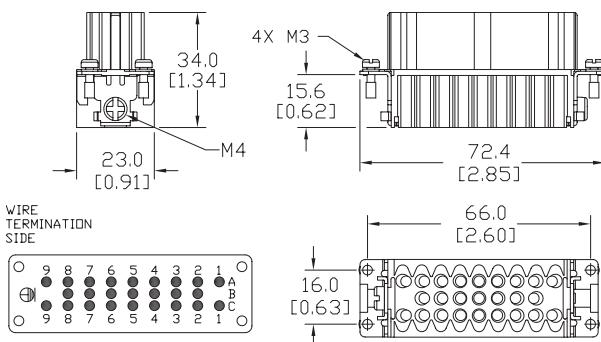
[ZP-MC16A-1-FC016](#)

**25 +  – Crimp Contacts**



[ZP-MC16A-1-MC025](#)

**Female**



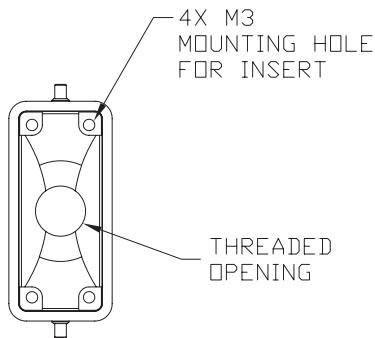
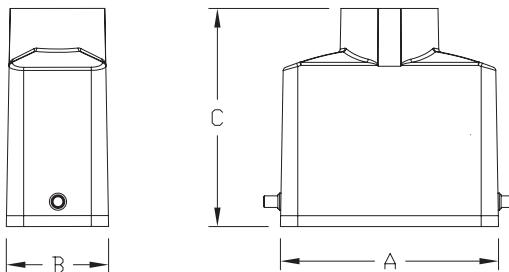
[ZP-MC16A-1-FC025](#)

# **ZIPport® STD Series Multi-Wire Dimensions**

## Size 10A, 16A Hoods and Housings

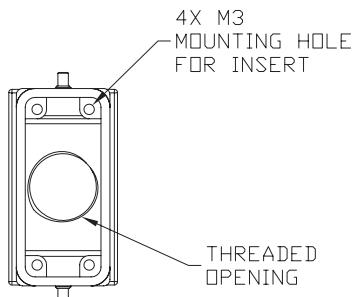
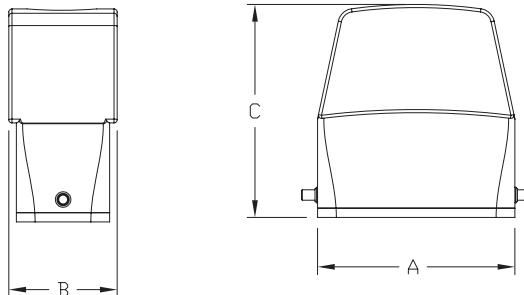
**Dimensions mm [in]**

### Single Lever Top Entry Hood



<b>Single Lever Top Entry Hood</b>					
<b>Part Number</b>	<b>Size</b>	<b>Thread</b>	<b>A</b>	<b>B</b>	<b>C</b>
<a href="#"><u>ZP-MC10A-2-STE13M</u></a>	10A	Pg 13.5	63.0 [2.48]	29.6 [1.17]	63.0 [2.48]
<a href="#"><u>ZP-MC10A-2-STE16M</u></a>		Pg 16			
<a href="#"><u>ZP-MC16A-2-STE13M</u></a>	16A	Pg 13.5	79.5 [3.13]	29.6 [1.17]	63.0 [2.48]
<a href="#"><u>ZP-MC16A-2-STE16M</u></a>		Pg 16			

### Single Lever Top Entry High Construction Hood



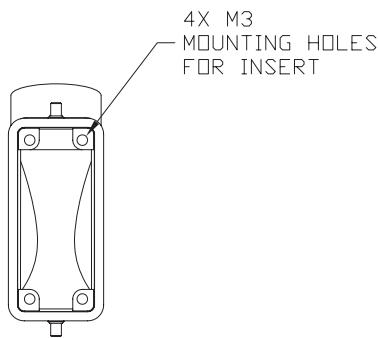
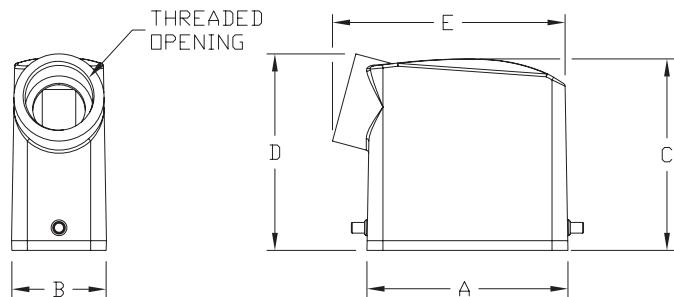
<b>Single Lever Top Entry High Construction Hood</b>					
<b>Part Number</b>	<b>Size</b>	<b>Thread</b>	<b>A</b>	<b>B</b>	<b>C</b>
<a href="#"><u>ZP-MC10A-2-STE16ML</u></a>	10A	Pg 16	63.0 [2.48]	34.6 [1.36]	68.0 [2.68]
<a href="#"><u>ZP-MC10A-2-STE21ML</u></a>		Pg 21			
<a href="#"><u>ZP-MC16A-2-STE16ML</u></a>	16A	Pg 16	79.5 [3.13]	34.6 [1.36]	71.0 [2.79]
<a href="#"><u>ZP-MC16A-2-STE21ML</u></a>		Pg 21			

# **ZIPport® STD Series Multi-Wire Dimensions**

## **Size 10A, 16A Hoods and Housings**

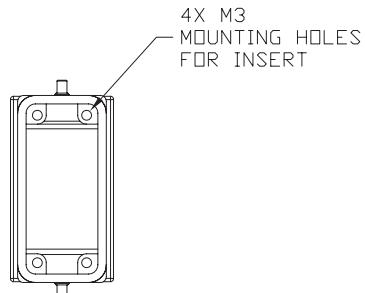
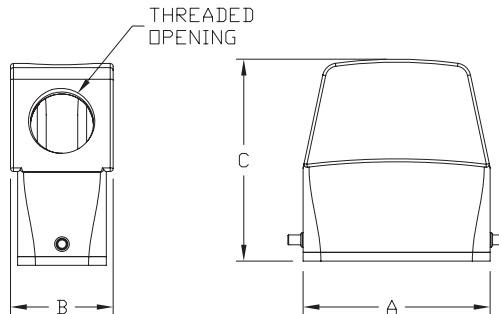
**Dimensions mm [in]**

### **Single Lever Side Entry Hood**



<b>Single Lever Side Entry Hood</b>							
<b>Part Number</b>	<b>Size</b>	<b>Thread</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>
<a href="#"><u>ZP-MC10A-2-SSE16M</u></a>	10A	Pg 16	63.0 [2.48]	29.6 [1.17]	60.0 [2.36]	61.6 [2.43]	72.9 [2.87]
<a href="#"><u>ZP-MC16A-2-SSE16M</u></a>	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**



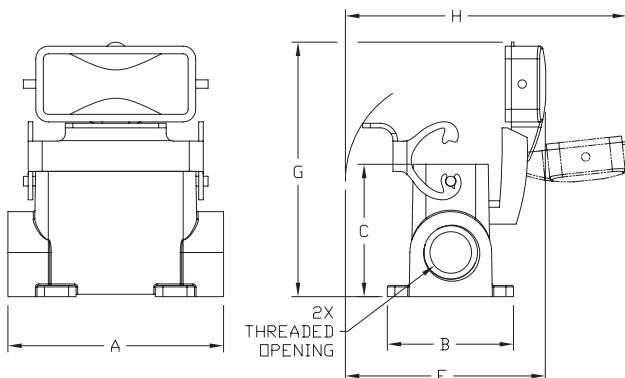
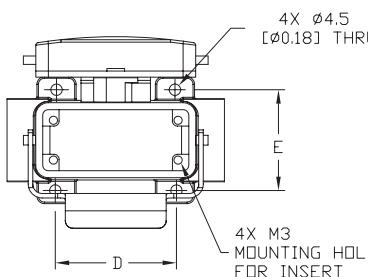
<b>Single Lever Side Entry High Construction Hood</b>					
<b>Part Number</b>	<b>Size</b>	<b>Thread</b>	<b>A</b>	<b>B</b>	<b>C</b>
<a href="#"><u>ZP-MC10A-2-SSE16ML</u></a>	10A	Pg 16	63.0 [2.48]	34.6 [1.36]	68.0 [2.68]
<a href="#"><u>ZP-MC10A-2-SSE21ML</u></a>		Pg 21			
<a href="#"><u>ZP-MC16A-2-SSE16ML</u></a>	16A	Pg 16	79.5 [3.13]	34.6 [1.36]	71.0 [2.79]
<a href="#"><u>ZP-MC16A-2-SSE21ML</u></a>		Pg 21			

# **ZIPport® STD Series Multi-Wire Dimensions**

## **Size 10A, 16A Hoods and Housings**

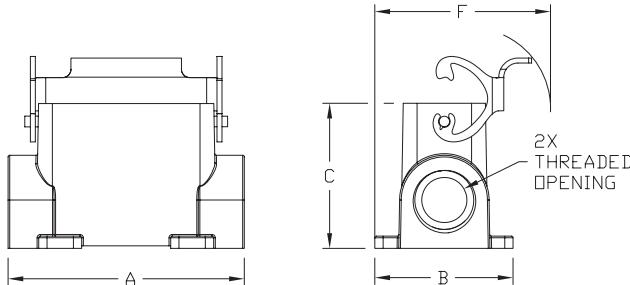
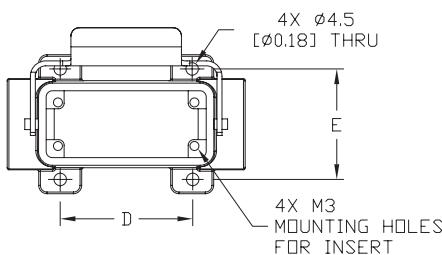
**Dimensions mm [in]**

### **Single Lever Surface Mount Base With Cover**



<b>Single Lever Surface Mount Base With Cover</b>										
<b>Part Number</b>	<b>Size</b>	<b>Thread</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>
<a href="#"><b>ZP-MC10A-2-SSM16MC</b></a>	10A	Pg 16x2	85.5	50.0	52.5	48.0	40.0	79.4	100.9	111.4
<a href="#"><b>ZP-MC10A-2-SSM21MC</b></a>		Pg 21x2	[3.37]	[1.97]	[2.07]	[1.89]	[1.57]	[3.13]	[3.97]	[4.39]
<a href="#"><b>ZP-MC16A-2-SSM16MC</b></a>	16A	Pg 16x2	102.0	50.0	57.0	64.0	40.0	79.4	106.0	114.5
<a href="#"><b>ZP-MC16A-2-SSM21MC</b></a>		Pg 21x2	[4.02]	[1.97]	[2.24]	[2.52]	[1.57]	[3.13]	[4.17]	[4.51]

### **Single Lever Surface Mount Base**



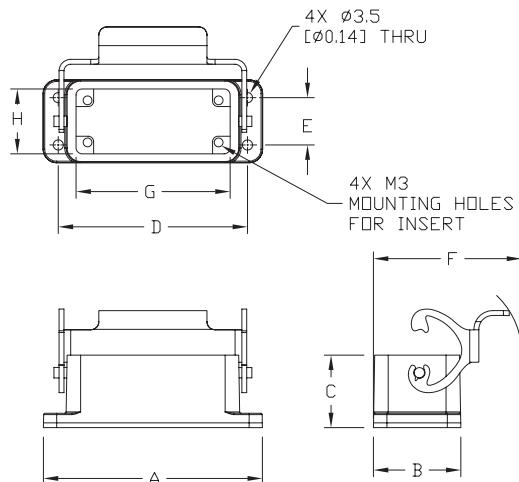
<b>Single Lever Surface Mount Base</b>							
<b>Part Number</b>	<b>Size</b>	<b>Thread</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>
<a href="#"><b>ZP-MC10A-2-SSM16M</b></a>	10A	Pg 16x2	85.5	50.0	52.5	48.0	40.0
<a href="#"><b>ZP-MC10A-2-SSM21M</b></a>		Pg 21x2	[3.37]	[1.97]	[2.07]	[1.89]	[1.57]
<a href="#"><b>ZP-MC16A-2-SSM16M</b></a>	16A	Pg 16x2	102.0	50.0	57.0	64.0	40.0
<a href="#"><b>ZP-MC16A-2-SSM21M</b></a>		Pg 21x2	[4.02]	[1.97]	[2.24]	[2.52]	[1.57]

# **ZIPport® STD Series Multi-Wire Dimensions**

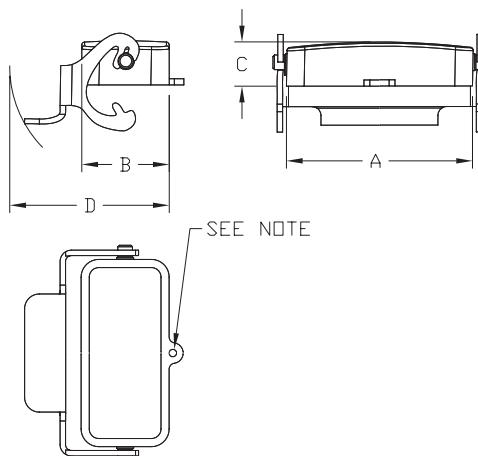
## **Size 10A, 16A Hoods and Housings**

**Dimensions mm [in]**

### **Single Lever Bulkhead Base**



### **Single Lever Cover**

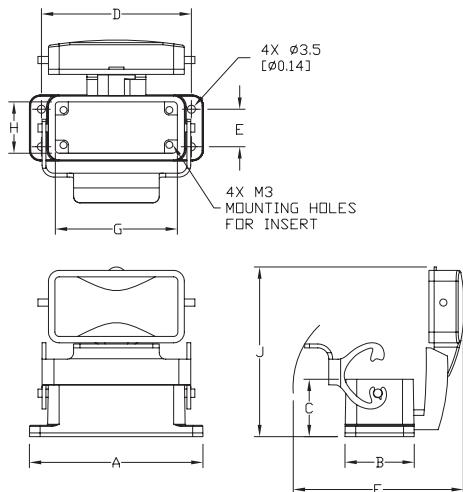


### **Single Lever Bulkhead Base**

Part Number	Size	A	B	C	D	E	F	G*	H*
<a href="#">ZP-MC10A-2-SBHM</a>	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]
<a href="#">ZP-MC16A-2-SBHM</a>	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 Bulkhead Base with Cover**



### **Single Lever Cover**

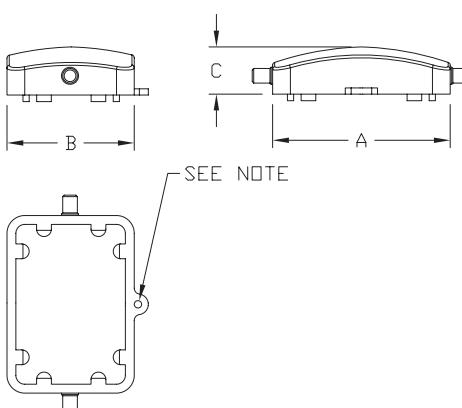
Part Number	Size	A	B	C	D
<a href="#">ZP-MC10A-2-SCVLM</a>	10A	63.0 [2.48]	29.6 [1.17]	15.0 [0.59]	54.0 [2.13]
<a href="#">ZP-MC16A-2-SCVLM</a>	16A	79.5 [3.13]	29.6 [1.17]	15.0 [0.59]	54.0 [2.13]

### **Single Lever Bulkhead Base With Cover**

Part Number	Size	A	B	C	D	E	F	G*	H*	J
<a href="#">ZP-MC10A-2-SBHMC</a>	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]
<a href="#">ZP-MC16A-2-SBHMC</a>	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
<a href="#">ZP-MC10A-2-SCVPM</a>	10A	63.0 [2.48]	29.6 [1.17]	16.0 [0.63]
<a href="#">ZP-MC16A-2-SCVPM</a>	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

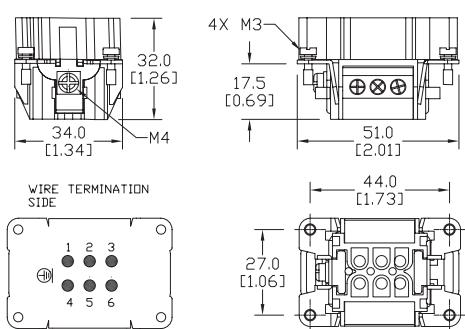
# **ZIPport® STD Series Multi-Wire Dimensions**

## **Size 6B Inserts**

**Dimensions mm [in]**

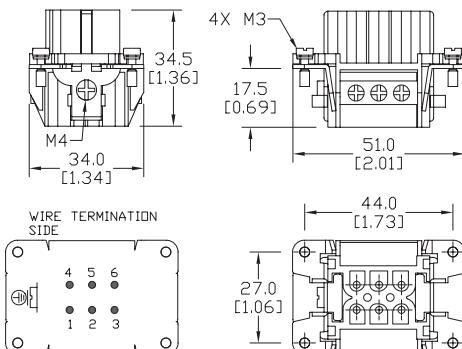
### **6 + – Screw Terminals**

#### **Male**



[ZP-MC06B-1-MS006](#)

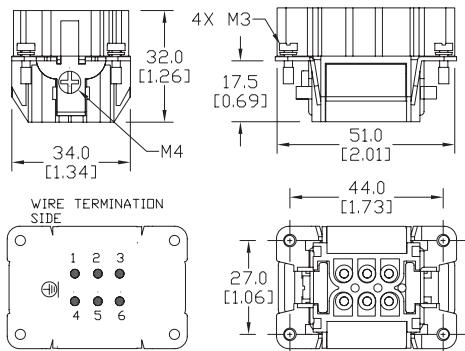
#### **Female**



[ZP-MC06B-1-FS006](#)

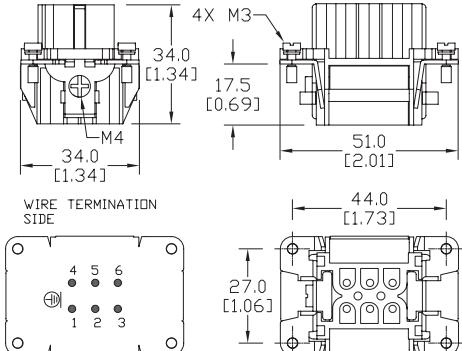
### **6 + – Crimp Contacts**

#### **Male**



[ZP-MC06B-1-MC006](#)

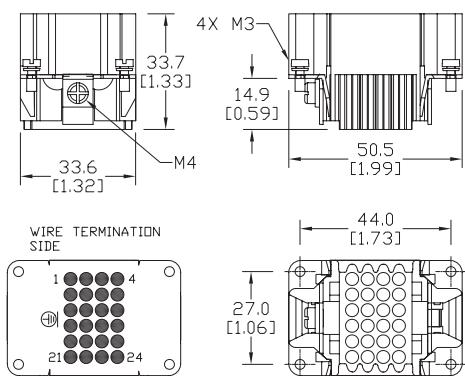
#### **Female**



[ZP-MC06B-1-FC006](#)

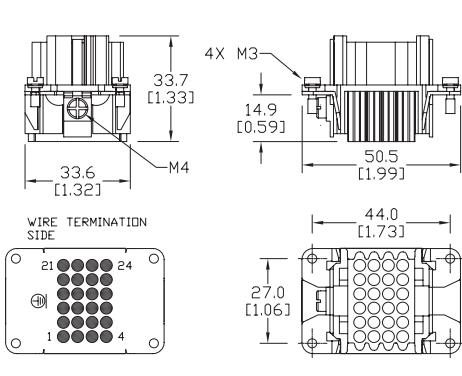
### **24 + – Crimp Contacts**

#### **Male**



[ZP-MC06B-1-MC024](#)

#### **Female**



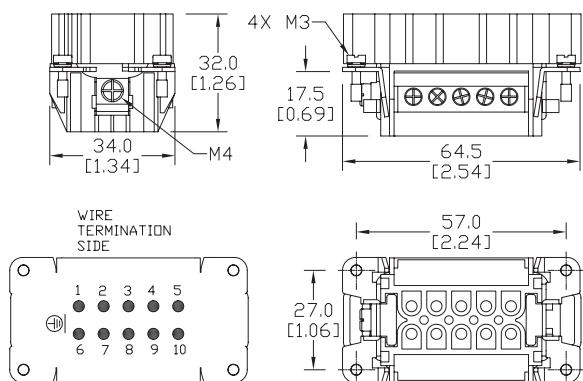
[ZP-MC06B-1-FC024](#)

# **ZIP<sup>port</sup>** STD Series Multi-Wire Dimensions

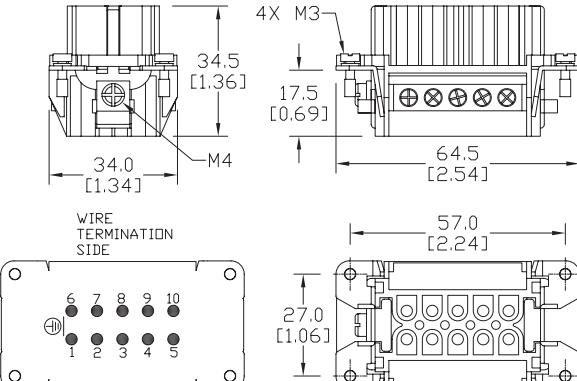
## Size 10B Inserts

Dimensions mm [in]

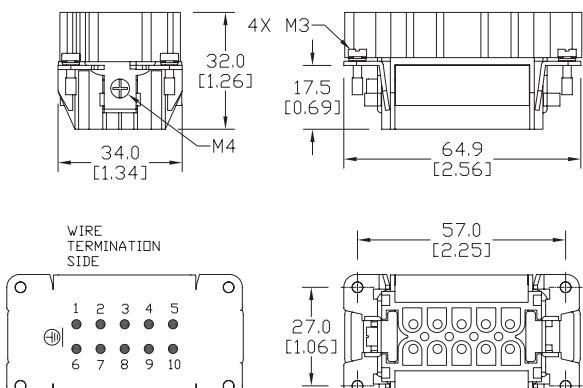
### 10 + – Screw Terminals Male

ZP-MC10B-1-MS010

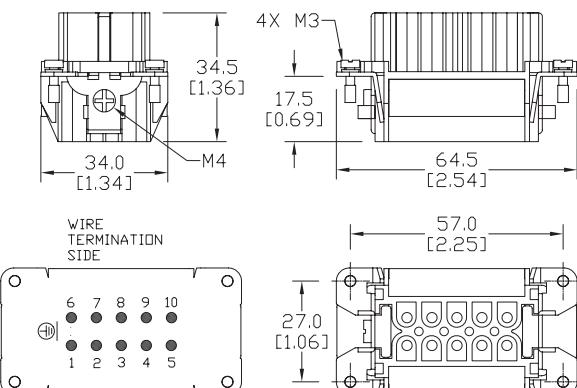
### Female

ZP-MC10B-1-FS010

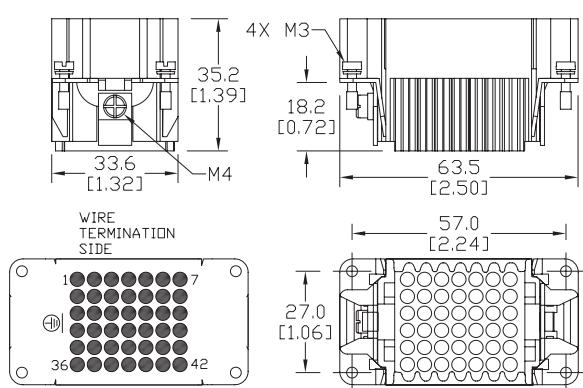
### 10 + – Crimp Contacts Male

ZP-MC10B-1-MC010

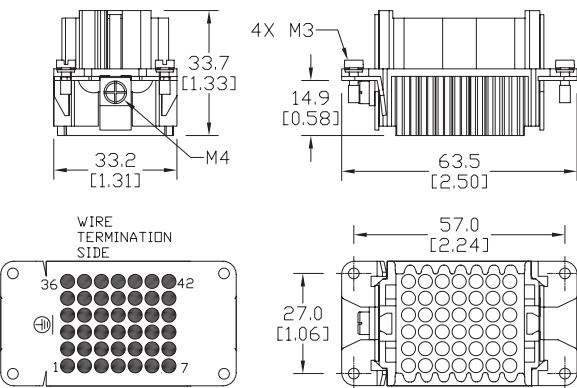
### Female

ZP-MC10B-1-FC010

### 42 + – Crimp Contacts Male

ZP-MC10B-1-MC042

### Female

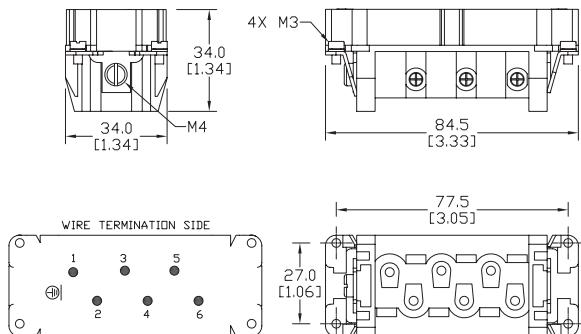
ZP-MC10B-1-FC042

# **ZIPport® STD Series Multi-Wire Dimensions**

## **Size 16B Inserts**

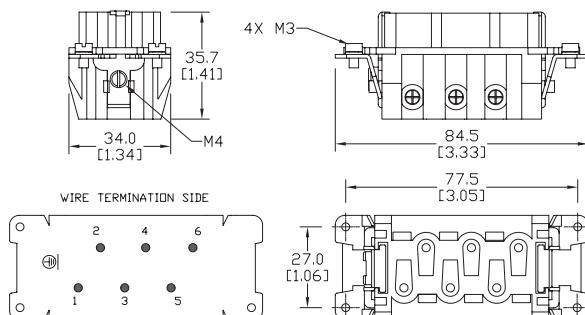
**Dimensions mm [in]**

**6 +  – Screw Terminals  
Male**



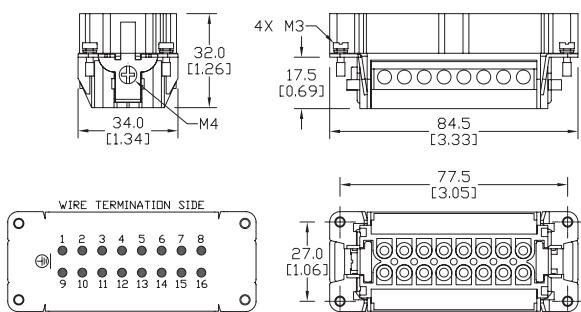
**ZP-MC16B-1-MS006**

**Female**



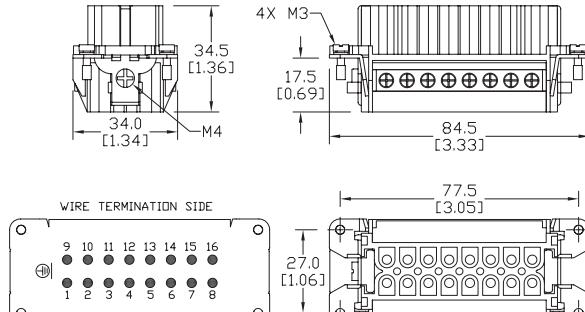
**ZP-MC16B-1-FS006**

**16 +  – Screw Terminals  
Male**



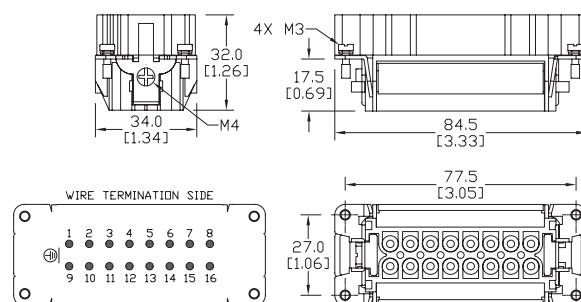
**ZP-MC16B-1-MS016**

**Female**



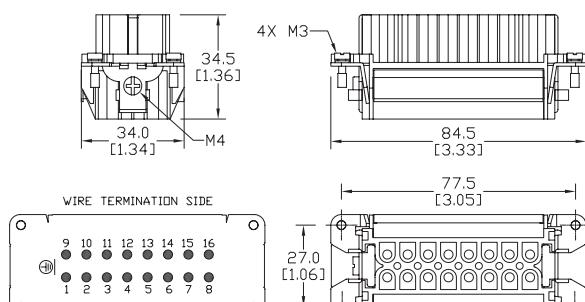
**ZP-MC16B-1-FS016**

**16 +  – Crimp Contacts  
Male**



**ZP-MC16B-1-MC016**

**Female**



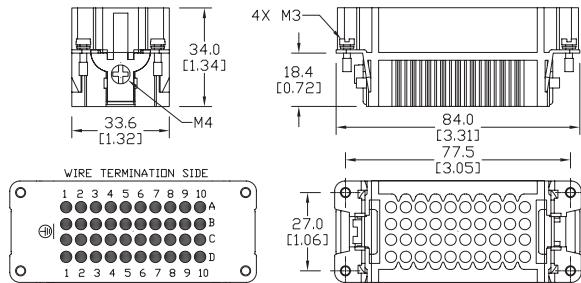
**ZP-MC16B-1-FC016**

# **ZIPport® STD Series Multi-Wire Dimensions**

## **Size 16B Inserts**

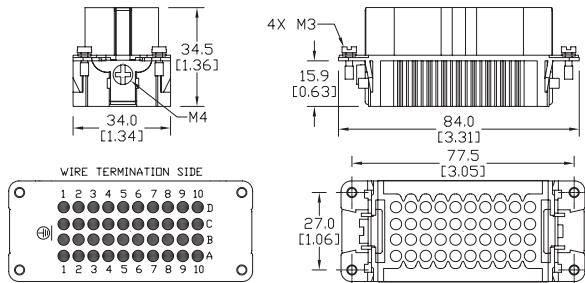
**Dimensions mm [in]**

**40 +  – Crimp Contacts  
Male**



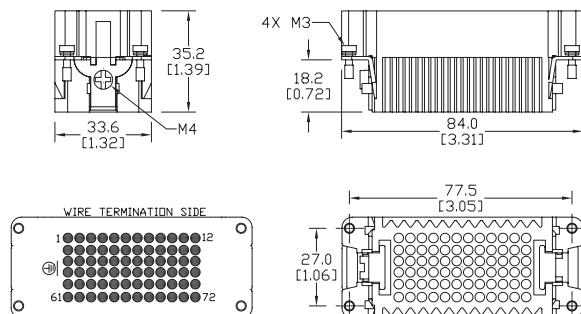
**ZP-MC16B-1-MC040**

**Female**



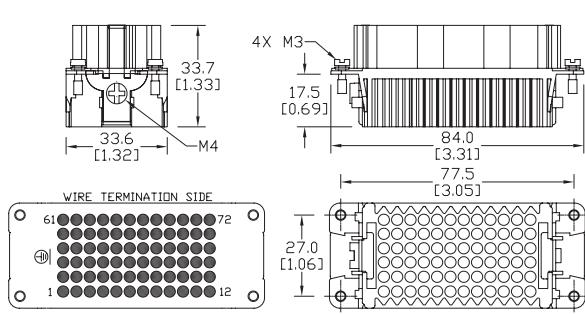
**ZP-MC16B-1-FC040**

**72 +  – Crimp Contacts  
Male**



**ZP-MC16B-1-MC072**

**Female**



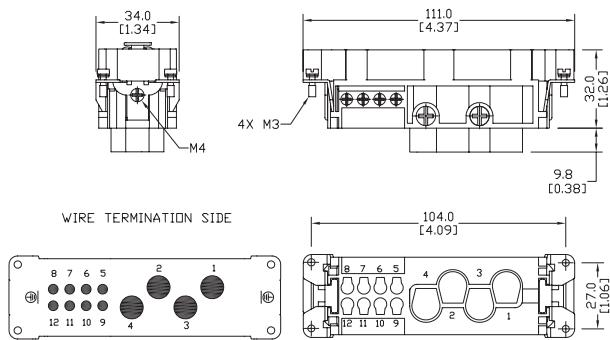
**ZP-MC16B-1-FC072**

# **ZIPport® STD Series Multi-Wire Dimensions**

## **Size 24B Inserts**

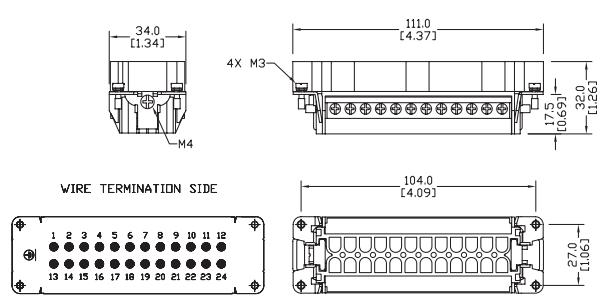
**Dimensions mm [in]**

**8 +4 + – Screw Terminals  
Male**



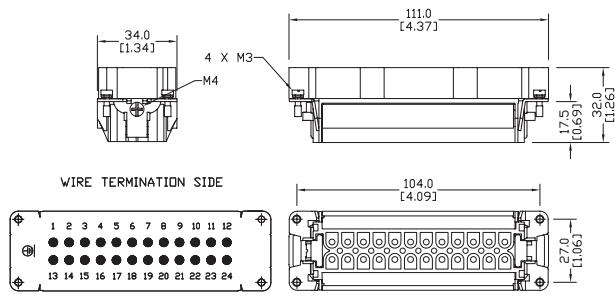
[ZP-MC24B-1-MS048](#)

**24 + – Screw Terminals  
Male**



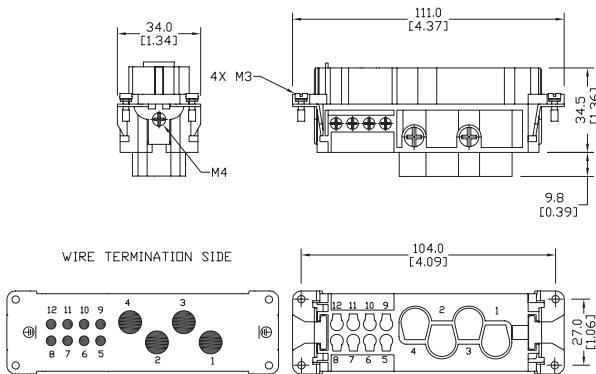
[ZP-MC24B-1-MS024](#)

**24 + – Crimp Contacts  
Male**



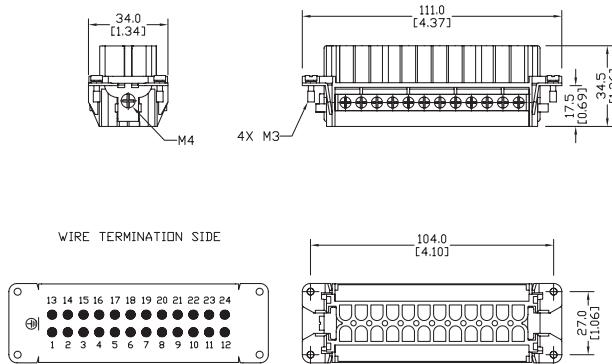
[ZP-MC24B-1-MC024](#)

**Female**



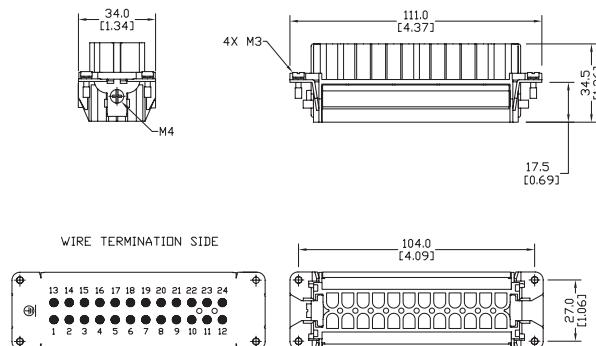
[ZP-MC24B-1-FS048](#)

**Female**



[ZP-MC24B-1-FS024](#)

**Female**



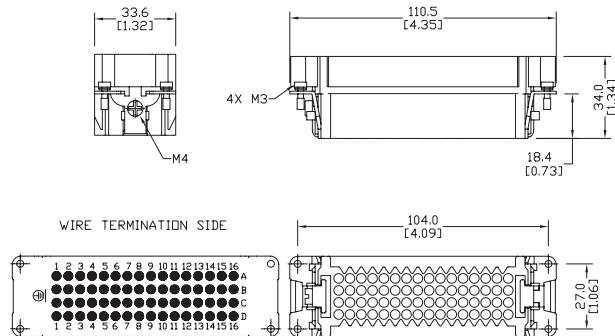
[ZP-MC24B-1-FC024](#)

# **ZIPport® STD Series Multi-Wire Dimensions**

## **Size 24B Inserts**

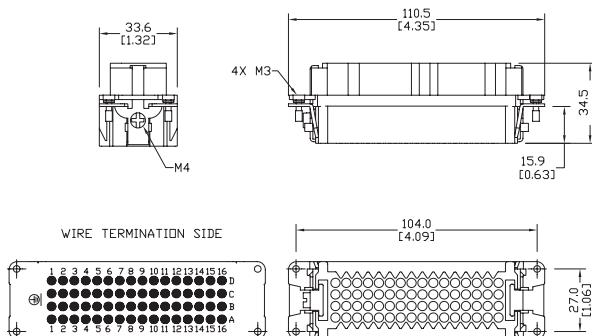
**Dimensions mm [in]**

**64 +  – Crimp Contacts**  
**Male**



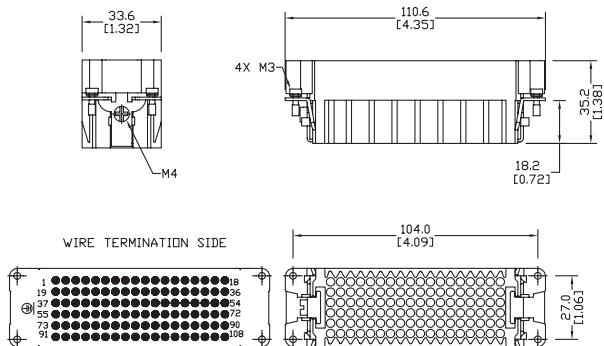
**ZP-MC24B-1-MC064**

**Female**



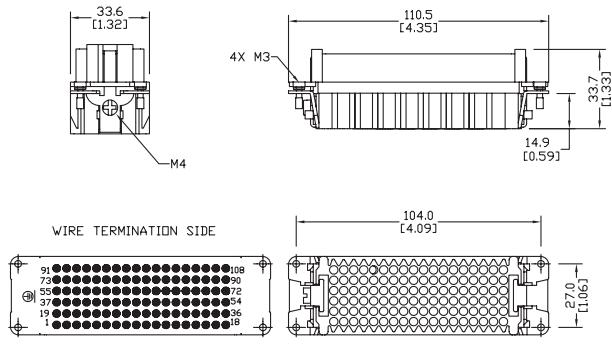
**ZP-MC24B-1-FC064**

**108 +  – Crimp Contacts**  
**Male**



**ZP-MC24B-1-MC108**

**Female**



**ZP-MC24B-1-FC108**

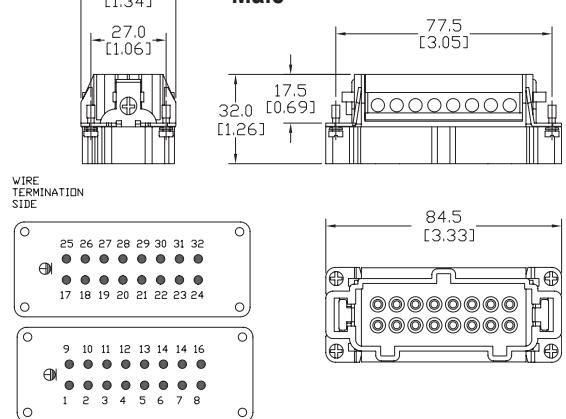
# **ZIPport<sup>®</sup>** STD Series Multi-Wire Dimensions

## Size 32B Inserts

Dimensions mm [in]

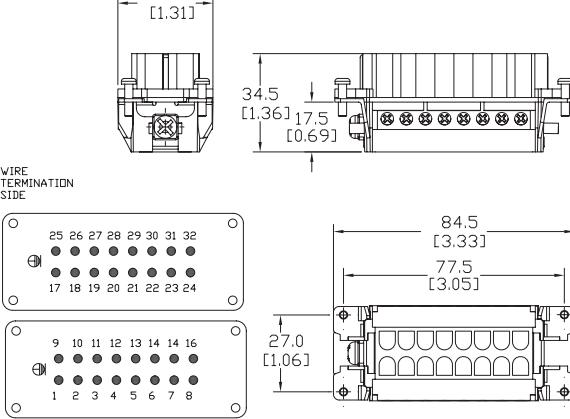
32 +  – Screw Terminals

**Male**



[ZP-MC16B-1-MS016](#) & [ZP-MC16B-1-MS016-2](#)

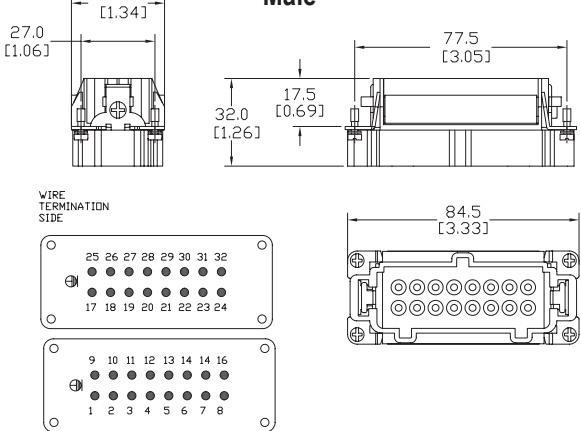
**Female**



[ZP-MC16B-1-FS016](#) & [ZP-MC16B-1-FS016-2](#)

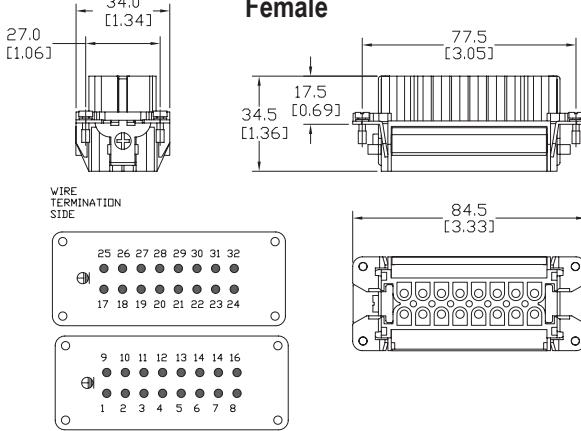
32 +  – Crimp Contacts

**Male**



[ZP-MC16B-1-MC016](#) & [ZP-MC16B-1-MC016-2](#)

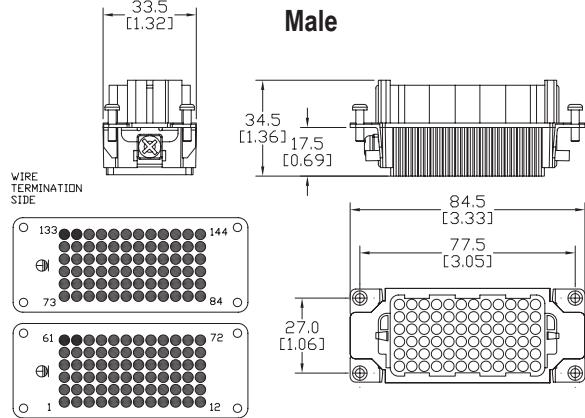
**Female**



[ZP-MC16B-1-FC016](#) & [ZP-MC16B-1-FC016-2](#)

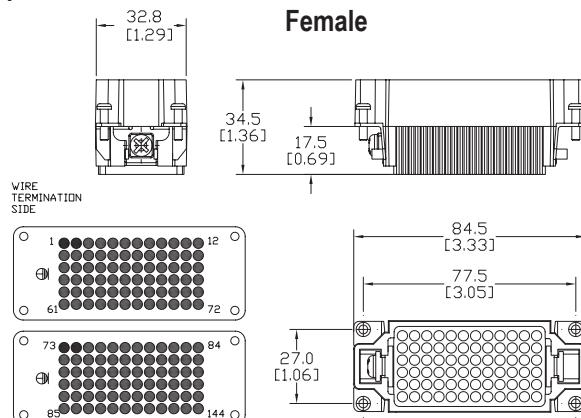
144 +  – Crimp Contacts

**Male**



[ZP-MC16B-1-MC072](#) & [ZP-MC16B-1-MC072-2](#)

**Female**



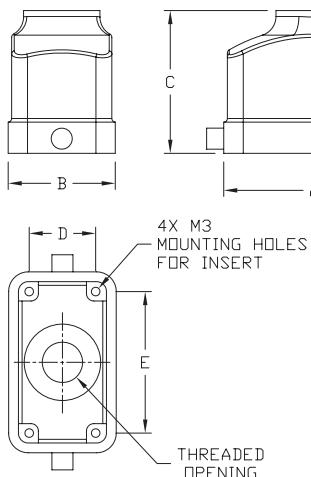
[ZP-MC16B-1-FC072](#) & [ZP-MC16B-1-FC072-2](#)

# **ZIPport® STD Series Multi-Wire Dimensions**

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

**Dimensions mm [in]**

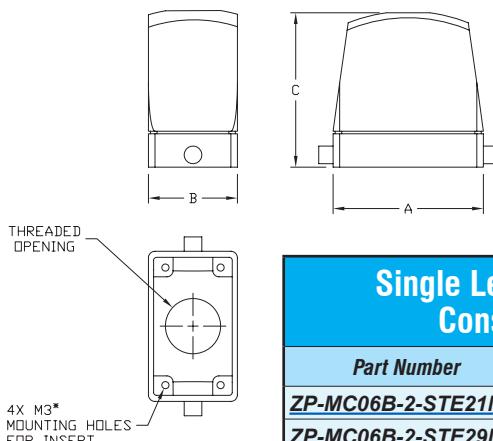
### **Single Lever Top Entry Hood**



### **Single Lever Top Entry Hood**

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

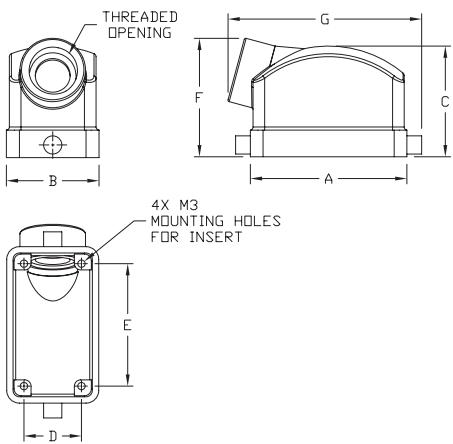
### **Single Lever Top Entry High Construction Hood**



### **Single Lever Top Entry High Construction Hood**

Part Number	Size	Thread	A	B	C
<a href="#">ZP-MC06B-2-STE21ML</a>	6B	Pg 21	60.0	43.5	75.0
		Pg 29	[2.36]	[1.71]	[2.95]
<a href="#">ZP-MC06B-2-STE29ML</a>	10B	Pg 21	73.5	43.5	75.5
		Pg 29	[2.89]	[1.71]	[2.97]
<a href="#">ZP-MC16B-2-STE21ML</a>	16B	Pg 21	94.0	43.5	75.5
		Pg 29	[3.70]	[1.71]	[2.97]
<a href="#">ZP-MC16B-2-STE29ML</a>	24B	Pg 21	120.5	43.5	75.5
		Pg 29	[4.74]	[1.71]	[2.97]

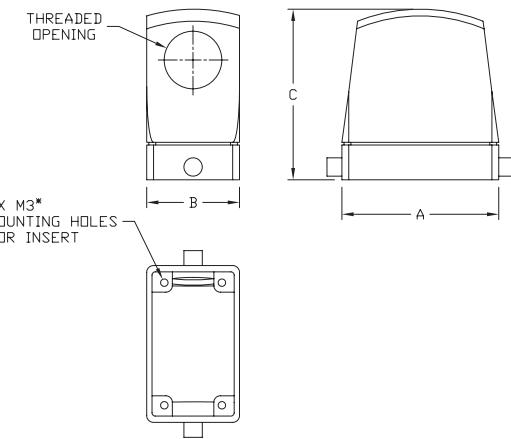
### **Single Lever Side Entry Hood**



### **Single Lever Side Entry Hood**

Part Number	Size	Thread	A	B	C	D	E	F	G
<a href="#">ZP-MC06B-2-SSE16M</a>	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]	78.5 [3.09]
<a href="#">ZP-MC10B-2-SSE16M</a>	10B	Pg 16	73.5 [2.89]	43.5 [1.71]	52.0 [2.05]	27.0 [1.06]	57.0 [2.24]	55.6 [2.19]	90.9 [3.58]
<a href="#">ZP-MC16B-2-SSE21M</a>	16B	Pg 21	94.0 [3.70]	43.5 [1.71]	63.0 [2.48]	27.0 [1.06]	77.5 [3.05]	66.2 [2.61]	109.7 [4.32]
<a href="#">ZP-MC24B-2-SSE21M</a>	24B	Pg 21	120.5 [4.74]	43.5 [1.71]	63.0 [2.48]	27.0 [1.06]	104.0 [4.09]	65.4 [2.58]	136.4 [5.37]

### **Single Lever Side Entry High Construction Hood**



### **Single Lever Side Entry High Construction Hood**

Part Number	Size	Thread	A	B	C
<a href="#">ZP-MC06B-2-SSE21ML</a>	6B	Pg 21	60.0	43.5	80.0
		Pg 29	[2.36]	[1.71]	[3.15]
<a href="#">ZP-MC06B-2-SSE29ML</a>	10B	Pg 21	73.5	43.5	80.0
		Pg 29	[2.90]	[1.71]	[3.15]
<a href="#">ZP-MC16B-2-SSE21ML</a>	16B	Pg 21	94.0	43.5	80.0
		Pg 29	[3.70]	[1.71]	[3.15]
<a href="#">ZP-MC16B-2-SSE29ML</a>	24B	Pg 21	120.5	43.5	80.0
		Pg 29	[4.74]	[1.71]	[3.15]
<a href="#">ZP-MC32B-2-SSE36M</a>	32B*	Pg 36	94.0 [3.70]	83.0 [3.27]	94.0 [3.70]

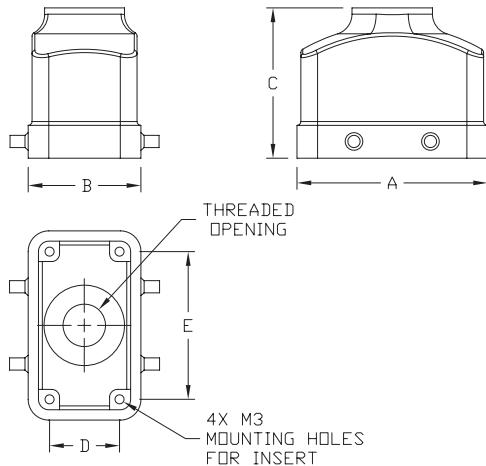
\*Note: Size 32B hoods require 2 of the 16B inserts.

# **ZIPport® STD Series Multi-Wire Dimensions**

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

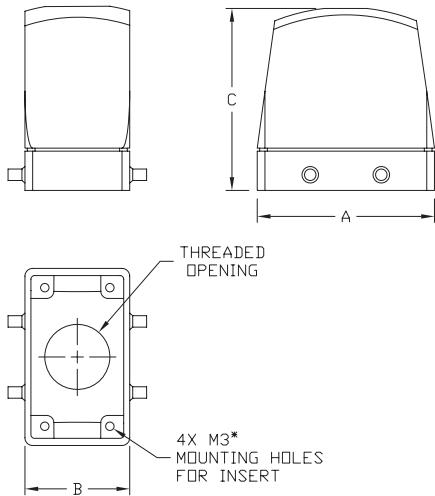
**Dimensions mm [in]**

### **Double Lever Top Entry Hood**



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

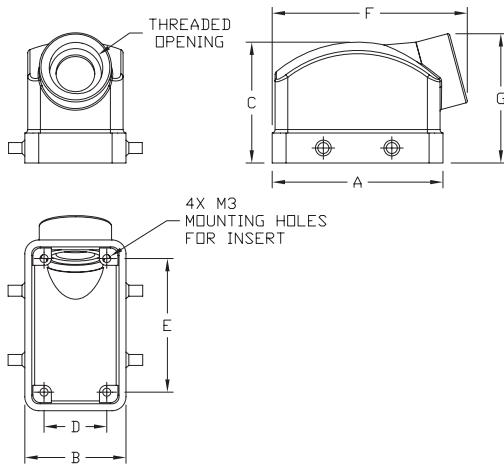
### **Double Lever Top Entry High Construction Hood**



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

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

### **Double Lever Side Entry Hood**



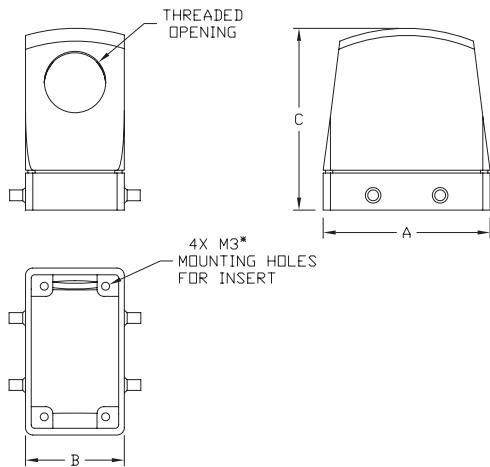
<b>Double Lever Side Entry Hood</b>							
<b>Part Number</b>	<b>Size</b>	<b>Thread</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>
<a href="#"><b>ZP-MC10B-2-DSE16M</b></a>	10B	Pg 16	73.5 [2.89]	43.5 [1.71]	52.0 [2.05]	27.5 [1.08]	57.5 [2.26]
<a href="#"><b>ZP-MC16B-2-DSE21M</b></a>	16B	Pg 21	94.0 [3.70]	43.5 [1.71]	63.0 [2.48]	27.5 [1.08]	77.5 [3.05]
<a href="#"><b>ZP-MC24B-2-DSE21M</b></a>	24B	Pg 21	120.5 [4.74]	43.5 [1.71]	63.0 [2.48]	27.5 [1.08]	104.0 [4.09]
<a href="#"><b>ZP-MC24B-2-DSE29M</b></a>		Pg 29					

# **ZIPport® STD Series Multi-Wire Dimensions**

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

**Dimensions mm [in]**

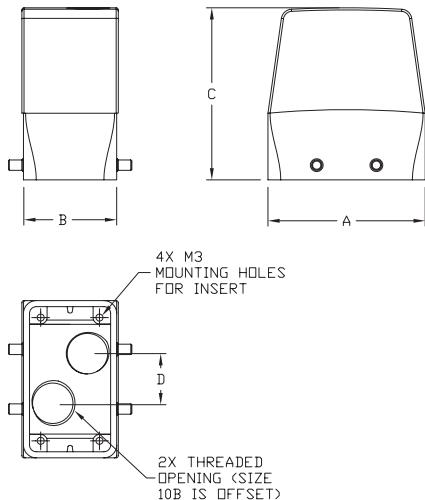
### **Double Lever Side Entry High Construction Hood**



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



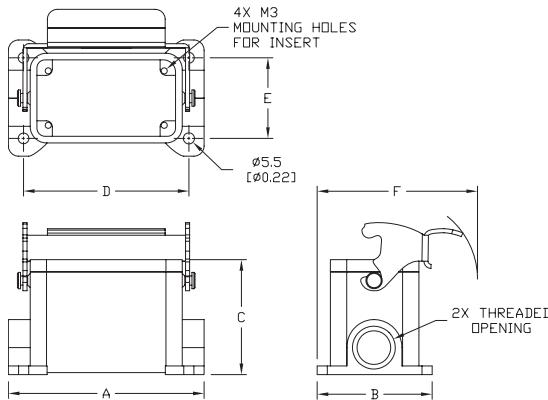
<b>Double Lever Double Top Entry High Construction Hood</b>						
<b>Part Number</b>	<b>Size</b>	<b>Thread</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<a href="#">ZP-MC10B-2-DTE13M2</a>	10B	Pg 13.5x2	73.5 [2.89]	43.5 [1.71]	81.0 [3.19]	24.0 [0.94]
<a href="#">ZP-MC16B-2-DTE16M2</a>	16B	Pg 16x2	94.0 [3.70]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

# **ZIPport® STD Series Multi-Wire Dimensions**

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

**Dimensions mm [in]**

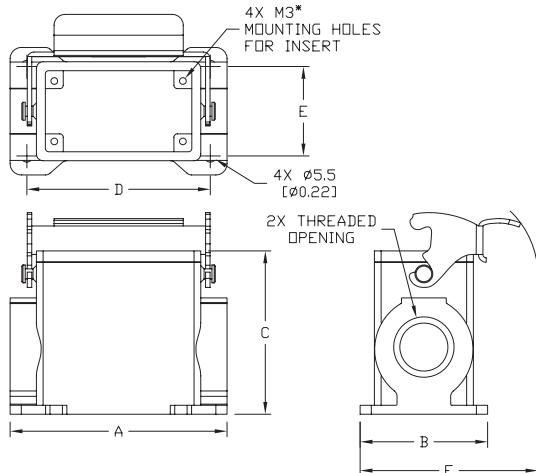
### Single Lever Surface Mount Base



### Single Lever Surface Mount Base

Part Number	Size	Thread	A	B	C	D	E	F
<a href="#">ZP-MC06B-2-SSM16M</a>	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]
<a href="#">ZP-MC10B-2-SSM16M</a>	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]
<a href="#">ZP-MC16B-2-SSM21M</a>	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]
<a href="#">ZP-MC24B-2-SSM21M</a>	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]
<a href="#">ZP-MC32B-2-SSM36M</a>	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]

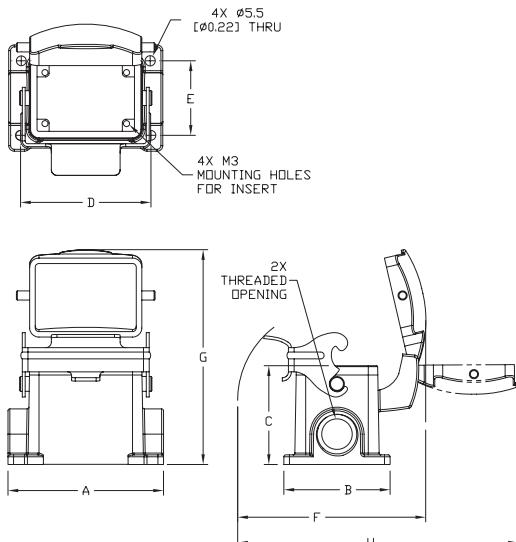
### Single Lever High Construction Surface Mount Base



### Single Lever High Construction Surface Mount Base

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

### Single Lever Surface Mount Base With Cover



### Single Lever Surface Mount Base With Cover

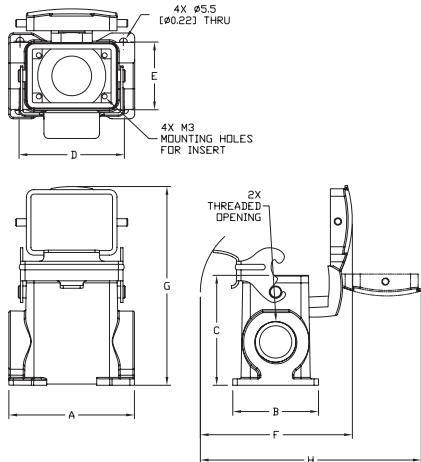
Part Number	Size	Thread	A	B	C	D	E	F	G	H
<a href="#">ZP-MC06B-2-SSM16C</a>	6B	Pg 16x2	83.5 [3.29]	57.0 [2.24]	53.0 [2.09]	70.0 [2.76]	40.0 [1.57]	101.0 [3.98]	115.3 [4.54]	150.7 [5.93]
<a href="#">ZP-MC10B-2-SSM16C</a>	10B	Pg 16x2	97.0 [3.82]	57.0 [2.24]	57.0 [2.24]	82.0 [3.23]	40.0 [1.57]	101.0 [3.98]	115.3 [4.54]	145.5 [5.73]
<a href="#">ZP-MC16B-2-SSM21C</a>	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]
<a href="#">ZP-MC24B-2-SSM21C</a>	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]
<a href="#">ZP-MC32B-2-SSM36C</a>	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]

# **ZIPport® STD Series Multi-Wire Dimensions**

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

**Dimensions mm [in]**

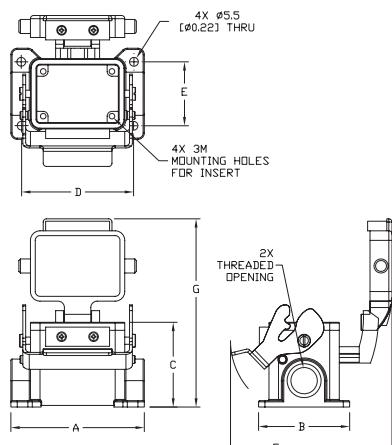
### **Single Lever High Construction Surface Mount Base With Cover**



### **Single Lever High Construction Surface Mount Base With Cover**

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

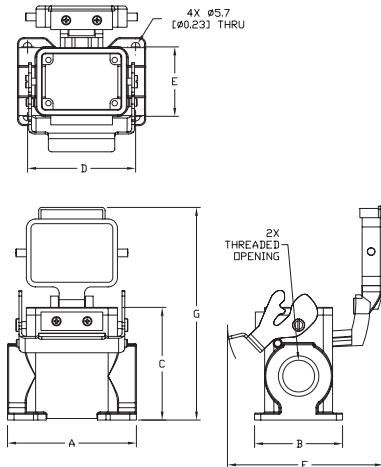
### **Single Lever Surface Mount Base With Automatic Cover**



### **Single Lever Surface Mount Base With Automatic Cover**

Part Number	Size	Thread	A	B	C	D	E	F	G
<a href="#">ZP-MC06B-2-SSM16CA</a>	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]	117.8 [4.64]
<a href="#">ZP-MC10B-2-SSM16CA</a>	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]	121.0 [4.76]
<a href="#">ZP-MC16B-2-SSM21CA</a>	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]	127.5 [5.02]
<a href="#">ZP-MC24B-2-SSM21CA</a>	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]	127.8 [5.03]

### **Single Lever High Construction Surface Mount Base With Automatic Cover**



### **Single Lever High Construction Surface Mount Base With Automatic Cover**

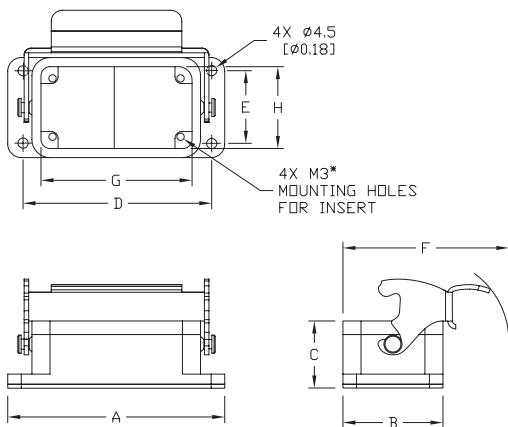
Part Number	Size	Thread	A	B	C	D	E	F	G
<a href="#">ZP-MC06B-2-SSM21CA</a>	6B	Pg 21x2	83.5 [3.29]	57.0 [2.24]	73.0 [2.87]	70.0 [2.76]	45.0 [1.77]	101.0 [3.98]	137.3 [5.41]
		Pg 29x2							
<a href="#">ZP-MC10B-2-SSM21CA</a>	10B	Pg 21x2	97.0 [3.82]	57.0 [2.24]	73.0 [2.87]	82.0 [3.23]	45.0 [1.77]	101.0 [3.98]	137.3 [5.41]
		Pg 29x2							
<a href="#">ZP-MC16B-2-SM21CAL</a>	16B	Pg 21x2	117.0 [4.61]	57.0 [2.24]	77.0 [3.03]	105.0 [4.13]	45.0 [1.77]	101.0 [3.98]	141.7 [5.58]
		Pg 29x2							
<a href="#">ZP-MC24B-2-SM21CAL</a>	24B	Pg 21x2	143.5 [5.65]	57.0 [2.24]	80.0 [3.15]	132.0 [5.20]	45.0 [1.77]	101.0 [3.98]	144.8 [5.70]
		Pg 29x2							

# **ZIPport® STD Series Multi-Wire Dimensions**

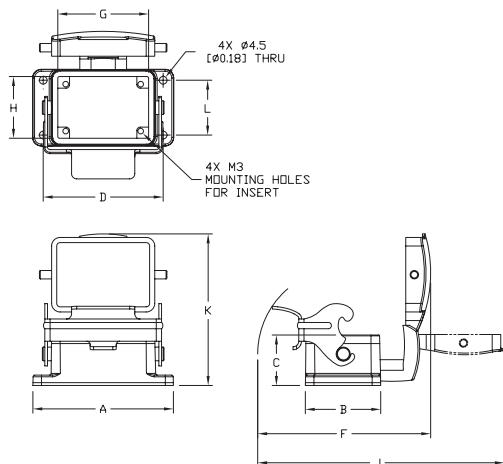
## **Size 6B, 10B, 16B, 24B, 32B Bases**

**Dimensions mm [in]**

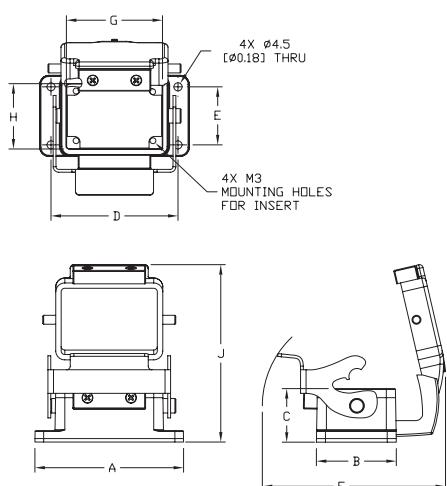
### **Single Lever Bulkhead Base**



### **Single Lever Bulkhead Base with Cover**



### **Single Lever Bulkhead Base with Automatic Cover**



<b>Single Lever Bulkhead Base</b>									
<b>Part Number</b>	<b>Size</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G*</b>	<b>H*</b>
<a href="#"><u>ZP-MC06B-2-SBHM</u></a>	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]
<a href="#"><u>ZP-MC10B-2-SBHM</u></a>	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]
<a href="#"><u>ZP-MC16B-2-SBHM</u></a>	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]
<a href="#"><u>ZP-MC24B-2-SBHM</u></a>	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]
<a href="#"><u>ZP-MC32B-2-SBHM</u></a>	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

<b>Single Lever Bulkhead Base With Cover</b>										<b>J</b>
<b>Part Number</b>	<b>Size</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>J</b>
<a href="#"><u>ZP-MC06B-2-SBHC</u></a>	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]
<a href="#"><u>ZP-MC10B-2-SBHC</u></a>	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]
<a href="#"><u>ZP-MC16B-2-SBHC</u></a>	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]
<a href="#"><u>ZP-MC24B-2-SBHC</u></a>	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]
<a href="#"><u>ZP-MC32B-2-SBHC</u></a>	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]

<b>Single Lever Bulkhead Base With Automatic Cover</b>										<b>J</b>
<b>Part Number</b>	<b>Size</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G*</b>	<b>H*</b>	<b>J</b>
<a href="#"><u>ZP-MC06B-2-SBHCA</u></a>	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]
<a href="#"><u>ZP-MC10B-2-SBHCA</u></a>	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]
<a href="#"><u>ZP-MC16B-2-SBHCA</u></a>	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]
<a href="#"><u>ZP-MC24B-2-SBHCA</u></a>	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]

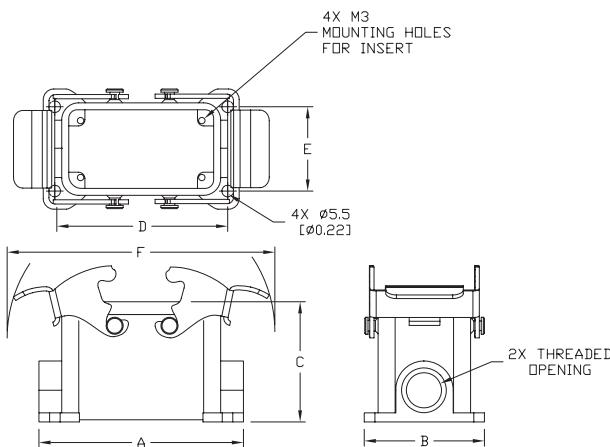
\*Dimensions G and H refer to cutout size

# **ZIPport® STD Series Multi-Wire Dimensions**

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

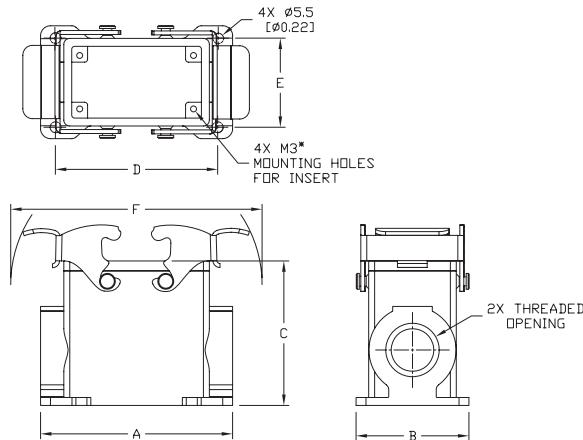
**Dimensions mm [in]**

### **Double Lever Surface Mount Base**



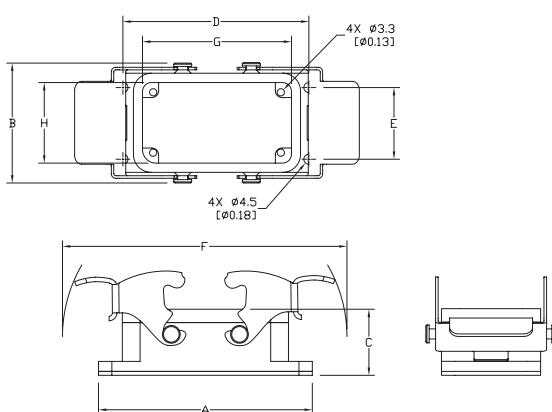
<b>Double Lever Surface Mount Base</b>								
<b>Part Number</b>	<b>Size</b>	<b>Thread</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>
<a href="#"><b>ZP-MC10B-2-DSM16M</b></a>	10B	Pg 16x2	97.0 [3.82]	57.0 [2.24]	57.0 [2.24]	82.0 [3.23]	40.0 [1.57]	127.0 [5.00]
<a href="#"><b>ZP-MC16B-2-DSM21M</b></a>	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]
<a href="#"><b>ZP-MC24B-2-DSM21M</b></a>	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]
<a href="#"><b>ZP-MC32B-2-DSM36M</b></a>	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**



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

### **Double Lever Bulkhead Base**



<b>Double Lever Bulkhead Base</b>									
<b>Part Number</b>	<b>Size</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G*</b>	<b>H*</b>
<a href="#"><b>ZP-MC10B-2-DBHM</b></a>	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]
<a href="#"><b>ZP-MC16B-2-DBHM</b></a>	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]
<a href="#"><b>ZP-MC24B-2-DBHM</b></a>	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]
<a href="#"><b>ZP-MC32B-2-DBHM</b></a>	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]

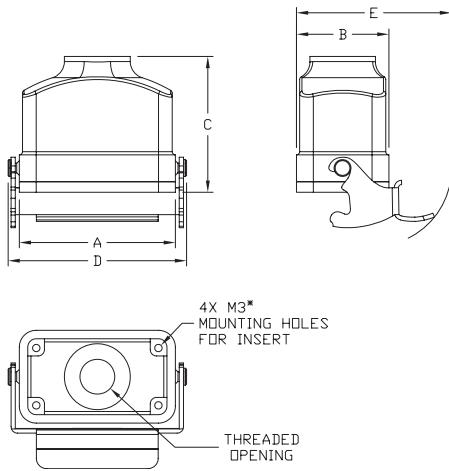
\*Dimensions G and H refer to cutout size

# **ZIPport® STD Series Multi-Wire Dimensions**

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

**Dimensions mm [in]**

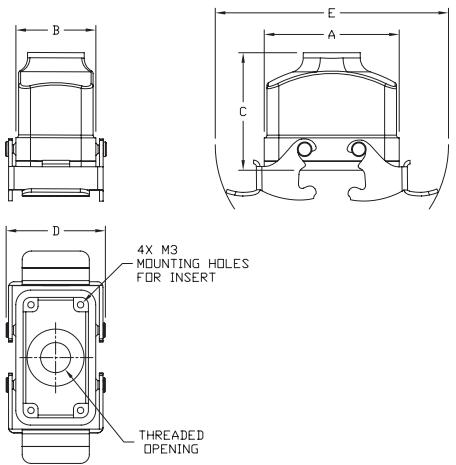
### **Single Lever Coupler**



### **Single Lever Coupler**

Part Number	Size	Thread	A	B	C	D	E
<a href="#">ZP-MC06B-2-SCP16M</a>	6B	Pg 16	60.0 [2.36]	43.5 [1.71]	59.0 [2.32]	70.5 [2.78]	73.0 [2.87]
<a href="#">ZP-MC10B-2-SCP16M</a>	10B	Pg 16	73.5 [2.89]	43.5 [1.71]	64.0 [2.52]	84.0 [3.31]	73.0 [2.87]
<a href="#">ZP-MC16B-2-SCP21M</a>	16B	Pg 21	94.0 [3.70]	43.5 [1.71]	64.0 [2.52]	104.0 [4.10]	73.0 [2.87]
<a href="#">ZP-MC24B-2-SCP21M</a>	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**

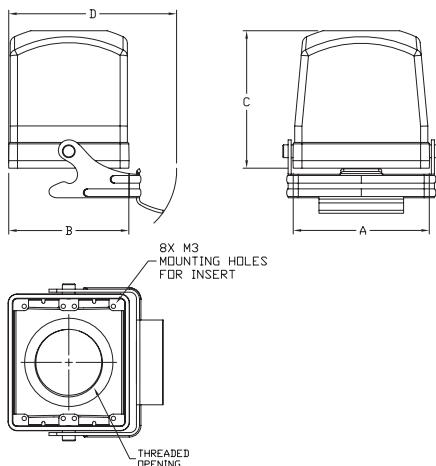


### **Double Lever Coupler**

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

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

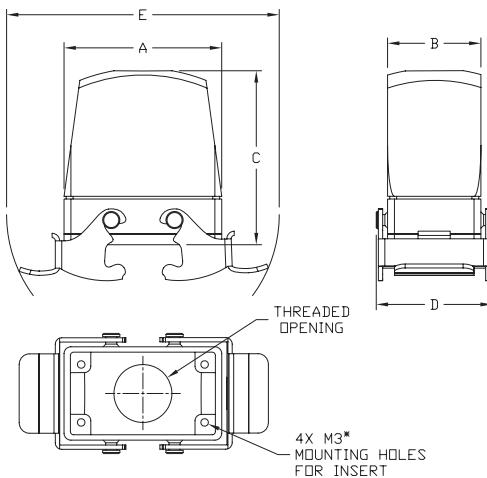
### **Single Lever High Construction Coupler**



### **Single Lever High Construction Coupler**

Part Number	Size	Thread	A	B	C	D	E
<a href="#">ZP-MC32B-2-SCP36M</a>	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**

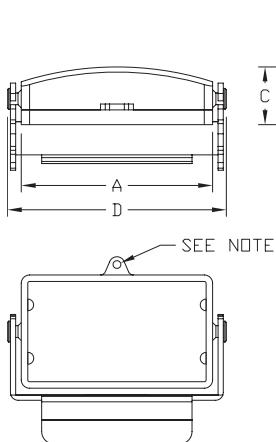
Part Number	Size	Thread	A	B	C	D	E
<a href="#">ZP-MC10B-2-DCP21ML</a>	10B	Pg 21	73.5 [2.89]	43.5 [1.71]	81.0 [3.19]	54.0 [2.13]	127.0 [5.00]
<a href="#">ZP-MC16B-2-DCP21ML</a>	16B	Pg 21	94.0 [3.70]	43.5 [1.71]	81.0 [3.19]	54.0 [2.13]	147.0 [5.79]
<a href="#">ZP-MC16B-2-DCP29ML</a>		Pg 29					
<a href="#">ZP-MC24B-2-DCP21ML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

# **ZIPport® STD Series Multi-Wire Dimensions**

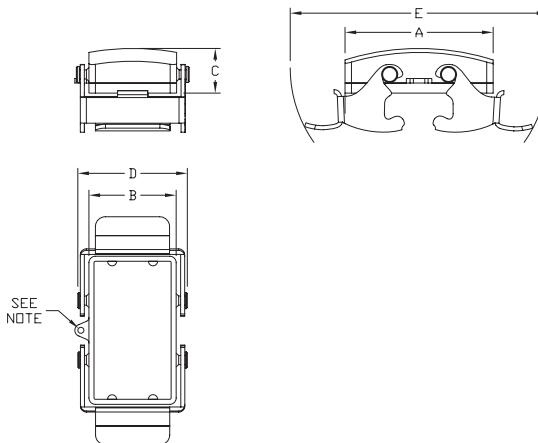
**Size 6B, 10B, 16B, 24B, 32B Covers**

**Dimensions mm [in]**

### Single Lever Cover



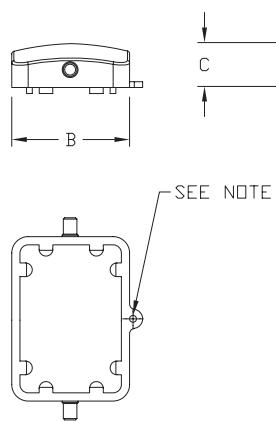
### Double Lever Cover



### Single Lever Cover

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

### Two Peg Cover



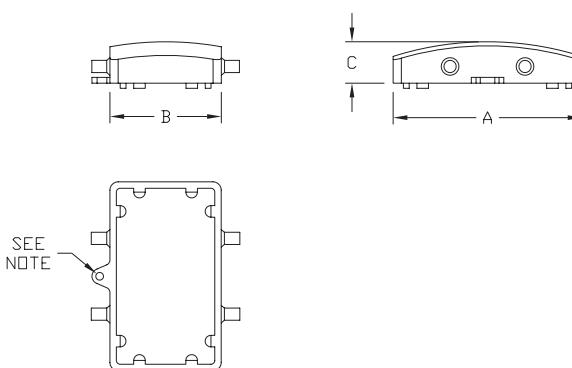
### Two Peg Cover

Part Number	Size	A	B	C
<a href="#">ZP-MC06B-2-SCVPM</a>	6B	60.0 [2.76]	43.0 [1.69]	16.0 [0.63]
<a href="#">ZP-MC10B-2-SCVPM</a>	10B	73.0 [2.87]	43.0 [1.69]	16.0 [0.63]
<a href="#">ZP-MC16B-2-SCVPM</a>	16B	94.0 [3.70]	43.0 [1.69]	16.0 [0.63]
<a href="#">ZP-MC24B-2-SCVPM</a>	24B	120.0 [4.72]	43.0 [1.69]	17.0 [0.67]
<a href="#">ZP-MC32B-2-SCVPM</a>	32B	94.0 [3.70]	83.0 [3.27]	18.0 [0.71]

### Double Lever Cover

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

### Four Peg Cover



### Four Peg Cover

Part Number	Size	A	B	C
<a href="#">ZP-MC10B-2-DCVPM</a>	10B	73.0 [2.87]	43.0 [1.69]	16.0 [0.63]
<a href="#">ZP-MC16B-2-DCVPM</a>	16B	94.0 [3.70]	43.0 [1.69]	16.0 [0.63]
<a href="#">ZP-MC24B-2-DCVPM</a>	24B	120.0 [4.72]	43.0 [1.69]	17.0 [0.67]
<a href="#">ZP-MC32B-2-DCVPM</a>	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