

Amphenol®



Amphenol M12 Connectors

Amphenol Industrial Operations offers M12 connectors that are designed for use in sensor connection in Industrial machinery, factory automation and other applications where a compact reliable connection system with environmental protection is required. The characteristics are compact size, functional design, reliable sealing, durable construction and reliable electrical performance.

Features:

- M12 x 1.0 Screw locking with IEC 61076-2-101 standard
- Various cable end options for different applications
- Different Codes to ensure mating property and safety
- Light-Weighted and Environmental from Oil, Chemical, Water and Dust.

How to Order

CJE12	C	RST	04	S	W	A	XXX
1	2	3	4	5	6	7	8
1	M12 x 1.0 thread locking						
2	Shell, Screw/Nut material:						
	A	AL Alloy					
	C	Copper Alloy					
	P	Thermo Plastic					
	Z	Zn Alloy					
3	Shell Style						
	RST	Receptacle Straight					
	RRA	Receptacle Right Angle					
	PST	Plug Straight					
	PRA	Plug Right Angle					
4	Insert arrangement						
	04, 05, 08						
5	Contact Type						
	S	Socket					
	P	Pin					
6	Wire Termination						
	P	PCB					
	W	Solder					
	C	Crimp					
7	Coding Type						
8	Cable Termination						
	Overmold, Cable Glands						
	Shielded, Non-Shielded Cable Available						
	Please consult our factory for detailed part numbers						

TECHNICAL DATA

Mechanical data

- Durability: 500 Cycles
- Salt Spray: 720 Hours mated
- Sealing Requirement: IP 67
- Operating temperature: -25°C~+90°C

Standards

- Connectors: IEC 61076-2-101
- Interfaces: IEC 60947-5-2

Electrical

- Contact Resistance: $\leq 5\text{m}\Omega$
- Insulation Resistance: $> 20\text{M}\Omega$
- Rated Current: 1.5A-4A
- Operate Voltage: 250V/AC, 300V/DC Max

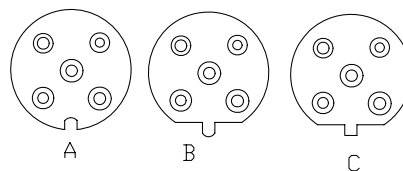
Material

- Shell, Screw/Nut: Copper (Zinc alloy, Aluminum alloy, Thermoplastic available per request)
- Contact: Brass with gold plating
- Insert: PA + Glass Filled
- Sealing: Epoxy Resin

Cable Specifications

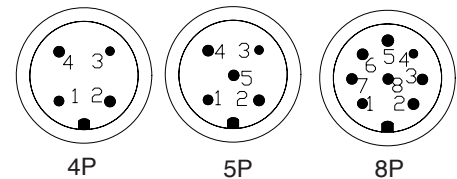
- Type: UL certified PVC or PUR
- Cross Section area: 0.25mm²
- Wire Insulation: PVC
- Jacket: PVC
- Overmolding: TPU
- Length: Optional

Code Type: (Only for Metal Shells)



Insert Patterns:

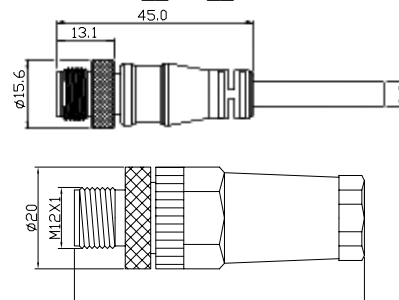
(Front view of pin insert or rear of socket insert illustrated)



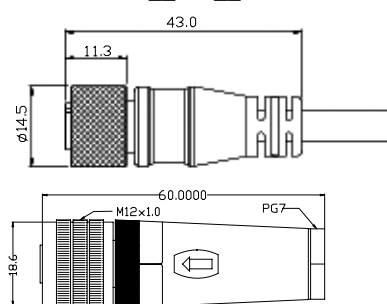
Rated Current:	4A	4A	1.5A
Operating Voltage:	250V/AC 300V/DC	60V/AC 60V/DC	30V/AC 30V/DC

PART NUMBERS AND DIMENSIONS (Dimensions in mm)

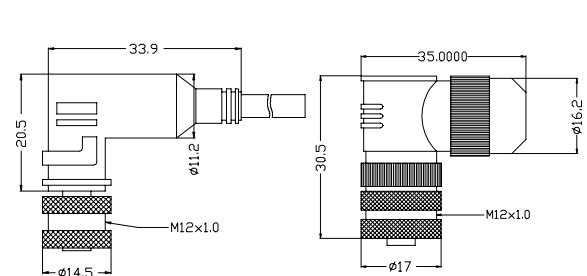
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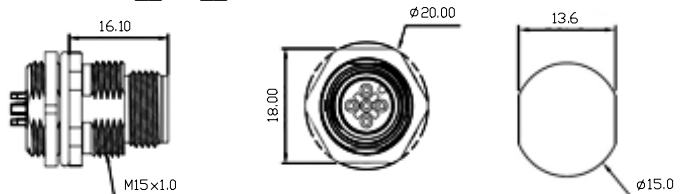
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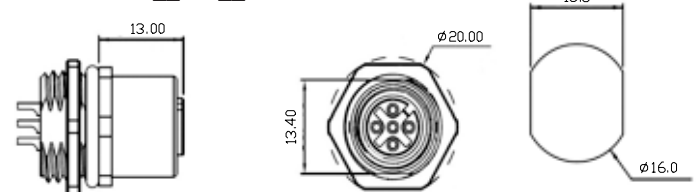
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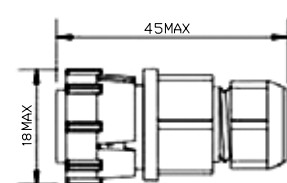
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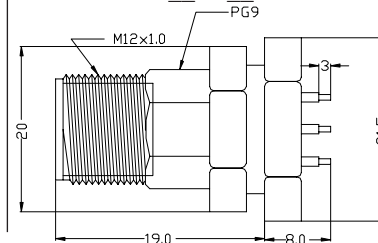
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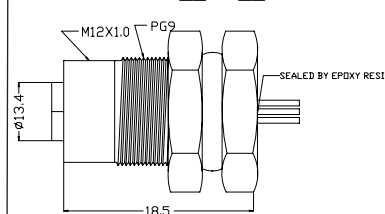
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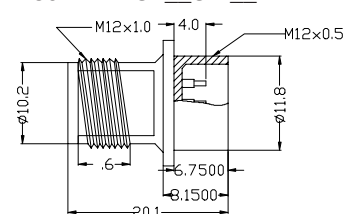
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CJE12CRST__SP__



CJE12PPST__SW__



The information contained in this data sheet is for reference only.

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For further information on your individual application requirements, contact: Amphenol Corporation

North America:
Amphenol Industrial Operations
180 N. Freeport Drive, Plant 4
Nogales, AZ 85621
Tel: (520) 285-5130
Fax: (520) 285-5134

Email: rpdrzzini@amphenol-ai.com

Europe:
Amphenol Industrial Operations Europe
Via Barbaiana 5
1-20020 Lainate (MI) Italy
Tel: +39 02 93254.204
Fax: +39 02 93254.444

Email: info@amphenol-ai.com

Middle East:
Amphenol Middle East Enterprises FZE
Office C-37 PO Box 21107
Ajman Free Zone, UAE
Tel: +9716-7422494
Fax: +9716-7422941

Email: ameeffe@eim.ae

Asia:
Amphenol Technology Shenzhen Ltd
Block 5 Fuan 2nd Industrial Park
Dayang Rd, Fuyong Baoan,
Shenzhen, China 518103
Tel: +86 755 2881 8389
Fax: +86 755 2991 8310
Email: enquiry@amphenol-ai.com