

# Amphenol<sup>®</sup>



## 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	P	ST	04	S	W	A	PCG	L
1	2	3	4	5	6	7	8	9	10
1 CJE12 M12 x 1.0 thread locking									
2 Shell/Coupling Nut material:									
A Al Alloy									
C Copper Alloy									
Z Zn Alloy									
3 Shell Style									
P Plug									
R Receptacle									
4 Backshell Type									
ST Straight									
RT Right Angle									
5 Insert arrangement									
03, 04, 05, 08									
6 Contacts									
S Socket									
P Pin									
7 Contact Termination									
P Solder PCB (Receptacle Only)									
W Solder Wire									
C Crimp with molding cable assembly (Plug Only)									
S Screw									
8 Code Type									
A, B, C, D, P									
9 Accessories									
PCG Plastic Cable Gland									
MCG Metal Cable Gland									
Blank No Accessories									
10 Options									
L For overmolded cable length (Plug Option Only)									
R Rear installation (Receptacle Only)									
F Front installation (Receptacle Only)									

## 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: (3, 4, and 5 pole) = 4A,  
(8 pole) = 2A
- Operate Voltage: (3 and 4 pole) = 250V AC/DC,  
(5 pole) = 60V AC/DC,  
(8 pole) = 30V AC/DC

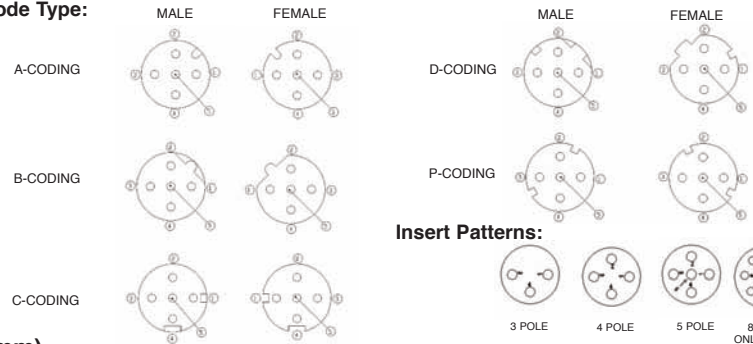
### Material

- Shell, Screw/Nut: Copper, Zinc, or Aluminum Alloy
- Contact: Brass with gold plating
- Insert: PA + Glass Filled
- Sealing: Epoxy Resin

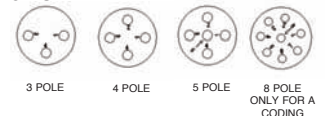
### Cable Specifications

- Type: UL certified PVC or PUR
- Cross Section area: 0.25mm<sup>2</sup>
- Wire Insulation: PVC
- Jacket: PVC
- Overmolding: TPU
- Length: Optional

### Code Type:

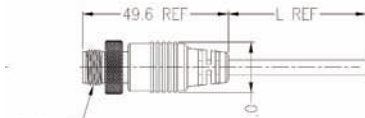


### Insert Patterns:



## PART NUMBERS AND DIMENSIONS (Dimensions in mm)

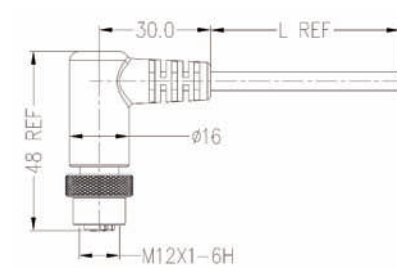
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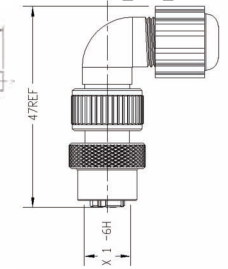
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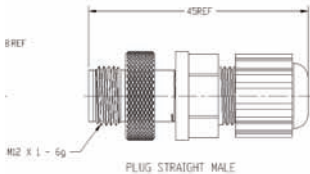
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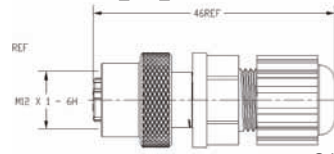
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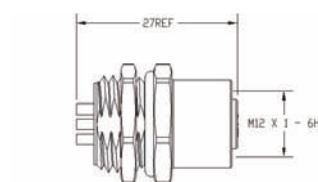
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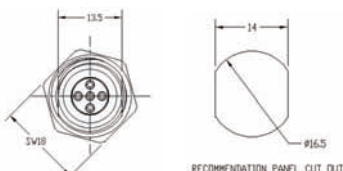
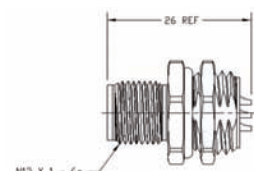
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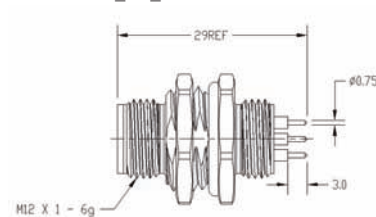
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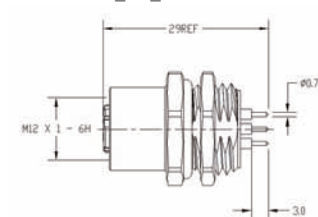
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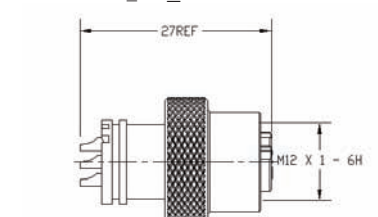
CJE12CRST\_PP\_R



CJE12CRST\_SP\_F



CJE12CPST\_PW\_



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