Amphenol[®]



Amphenol M12 Connectors

Amphenol Industrial Operations offers M12 connectors that machinery, factory automation and other applications where a protection is required. The characteristics are compact size, functional design, reliable sealing, durable construction and

- 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

How to Order

CJE12 C RST 04 S W XXX 4 2 3 5 6

- 1 M12 x 1.0 thread locking
- 2 Shell, Screw/Nut material:

AL Alloy С Copper Alloy Thermo Plastic Zn Alloy 7

3 Shell Style

Receptacle Straight RST Receptacle Right Angle RRA

Plug Straight PST PRA Plug Right Angle

4 Insert arrangement

04, 05, 08 5 Contact Type S Socket Pin

6 Wire Termination **PCB**

> W Solder 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: $\leq 5m\Omega$

• Insulation Resistance: $> 20M\Omega$ · Rated Current: 1.5A-4A

· Operate Voltage: 250V/AC, 300V/DC Max

Material

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

Cable Specifications

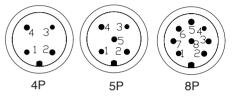
- Type: UL certified PVC or PUR
- · Cross Section area: 0.25mm2
- · Wire Insulation: PVC
- · Jacket: PVC
- · Overmolding: TPU
- · Length: Optional

Code Type: (Only for Metal Shells)

0 0 0 0 0 (0) 0 0 0 0 0 0 0 0 0 Α В С

Insert Patterns:

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

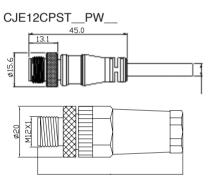


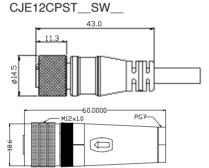
Rated Current: Operating Voltage:

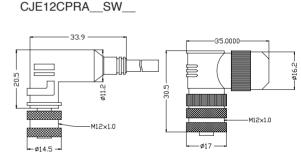
4A 4A 250V/AC 60V/AC 300V/DC 60V/DC

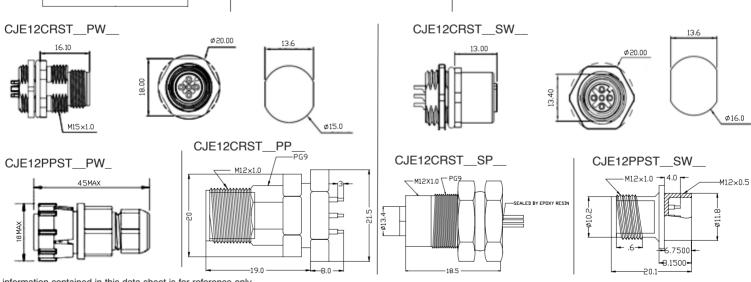
1.5A 30V/AC 30V/DC

PART NUMBERS AND DIMENSIONS (Dimensions in mm)









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

Notice: Specifications are subject to change without notice. Contact your nearest Amphenol Corporation Sales Office for the latest specifications. All statements, information and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements of suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should assume that all safety measures are indicated or that other measures may not be required. Specifications are typical and may not apply to all connectors.

AMPHENOL is a registered trademark of Amphenol Corporation.

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

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

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

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