

### M12 Connector

TE Internal #: 1838275-3

Cable-to-Cable, 5 Position, Sealable, Wire & Cable, Signal, Cable Mount (Free-Hanging), Reverse Gender, M12 Connector, Standard

Circular Connectors

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Connectors > Circular Connectors > Standard Circular Connectors











Connector System: Cable-to-Cable

Connector Mounting Type: Cable Mount (Free-Hanging)

Number of Positions: 5

Sealable: Yes

Connector & Contact Terminates To: Wire & Cable

### **Features**

## **Product Type Features**

Product Type	Connector Assembly
Accessory Color	Black
Assembly Requirement	Factory Assembled
Assembly Type	Electrical Connector
Circular Connector Shell Type	All Plastic
Connector Product Type	Connector Assembly
Connector System	Cable-to-Cable
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Plug
Shell Type	Plastic
Configuration Features	

Factory Installed Backshell	Without
Number of Positions	5



Number of Power Positions	0
Number of Signal Positions	5
Contacts Preloaded	Yes
Electrical Characteristics	
Operating Voltage	500 VAC
Body Features	
Peripheral Seal Material	Silicone
Environmental Protection	With
Environmental Protection Type	Sealed
Shell Plating Material	Unplated
Shell Base Material	Plastic
Circular Connector Insulation Material Type	PA
Hermetically Sealed	Yes
Contact Features	
Contact Current Rating (Max)	5 A
Reverse Gender	Yes
Circular Connector Contact Type	Pin
Mechanical Attachment	
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)
Polarization Code	A
Mating Alignment Type	Keyed
Housing Features	
Circular Connector Shell Size	15
Dimensions	
Cable Diameter Range	4.5 – 6.5 mm[.177 – .256 in]
Wire Size	.25 – .14 mm²
Usage Conditions	
IP Water Sealing Level	IP67
Operating Temperature Range	-40 - 85 °C[-40 - 185 °F]
Operation/Application	
Circuit Application	Signal



Shielded	No	
Packaging Features		
Packaging Quantity	50	
Other		
Field Serviceable	Yes	

## **Product Compliance**

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241)  Candidate List Declared Against: JUNE 2023 (235)  SVHC > Threshold:  Pb (3.31% in Component Part)  Article Safe Usage Statements:  Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Hand solderable with lead free solder

### Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

# Compatible Parts





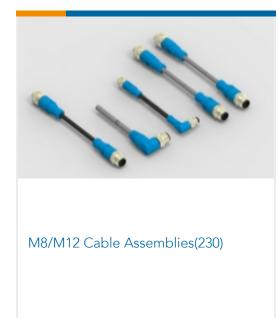


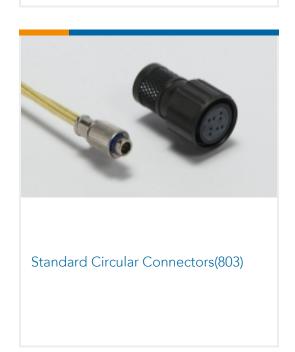
# Also in the Series | M12 Connector











# Customers Also Bought



















### **Documents**

### **Product Drawings**

M12 Fld Ser CONN. Male Pin Sldr

English

### **CAD Files**

**Customer View Model** 

ENG\_CVM\_CVM\_1838275-3\_B.2d\_dxf.zip

English

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_1838275-3\_B.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1838275-3\_B.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

## Datasheets & Catalog Pages

M8 / M12 Connector System Catalog

English

## **Product Specifications**

**Product Specification** 

English