

M12 Connector

TE Internal #: T4171010003-001

Wire-to-Panel, 3 Position, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Nickel, M12 Connector, Standard Circular

Connectors

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Connectors > Circular Connectors > Standard Circular Connectors > M12 Panel Mount Wire











Connector System: Wire-to-Panel

Connector Mounting Type: Panel Mount

Number of Positions: 3

Sealable: Yes

Connector & Contact Terminates To: Wire & Cable

All M12 Panel Mount Wire (66)

Features

Product Type Features

Prewired	Yes
Product Type	Connector Assembly
Accessory Color	Black
Assembly Requirement	Factory Assembled
Assembly Type	Electrical Connector
Circular Connector Shell Type	Metal-Shell
Connector Product Type	Connector Assembly
Connector System	Wire-to-Panel
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Plug
Shell Type	Metal

Configuration Features



Keying & Polarized Position Locations	A
Factory Installed Backshell	No
Keying	A
Number of Positions	3
Number of Power Positions	0
Number of Signal Positions	3
Contacts Preloaded	Yes
Electrical Characteristics	
Operating Voltage	250 VAC
Body Features	
Peripheral Seal Material	Silicone
O-Ring Material	Silicone
Environmental Protection Type	Sealed
Shell Plating Material	Nickel
Shell Base Material	Copper Alloy
Circular Connector Inculation Material Type	Polyamide 66 GF25
Circular Connector Insulation Material Type	1 31/31111 33 31 23
Hermetically Sealed	Yes
Hermetically Sealed	
Hermetically Sealed Contact Features	Yes
Hermetically Sealed Contact Features Contact Current Rating (Max)	Yes 4 A
Hermetically Sealed Contact Features Contact Current Rating (Max) Reverse Gender	Yes 4 A Yes
Hermetically Sealed Contact Features Contact Current Rating (Max) Reverse Gender Circular Connector Contact Type	Yes 4 A Yes
Hermetically Sealed Contact Features Contact Current Rating (Max) Reverse Gender Circular Connector Contact Type Mechanical Attachment	Yes 4 A Yes Pin
Hermetically Sealed Contact Features Contact Current Rating (Max) Reverse Gender Circular Connector Contact Type Mechanical Attachment Connector Mounting Type	Yes 4 A Yes Pin Panel Mount
Hermetically Sealed Contact Features Contact Current Rating (Max) Reverse Gender Circular Connector Contact Type Mechanical Attachment Connector Mounting Type Polarization Code	Yes 4 A Yes Pin Panel Mount A
Hermetically Sealed Contact Features Contact Current Rating (Max) Reverse Gender Circular Connector Contact Type Mechanical Attachment Connector Mounting Type Polarization Code Mating Alignment Type	Yes 4 A Yes Pin Panel Mount A
Hermetically Sealed Contact Features Contact Current Rating (Max) Reverse Gender Circular Connector Contact Type Mechanical Attachment Connector Mounting Type Polarization Code Mating Alignment Type Housing Features	Yes 4 A Yes Pin Panel Mount A Keyed
Hermetically Sealed Contact Features Contact Current Rating (Max) Reverse Gender Circular Connector Contact Type Mechanical Attachment Connector Mounting Type Polarization Code Mating Alignment Type Housing Features Circular Connector Shell Size	Yes 4 A Yes Pin Panel Mount A Keyed
Hermetically Sealed Contact Features Contact Current Rating (Max) Reverse Gender Circular Connector Contact Type Mechanical Attachment Connector Mounting Type Polarization Code Mating Alignment Type Housing Features Circular Connector Shell Size Dimensions	Yes 4 A Yes Pin Panel Mount A Keyed 18
Hermetically Sealed Contact Features Contact Current Rating (Max) Reverse Gender Circular Connector Contact Type Mechanical Attachment Connector Mounting Type Polarization Code Mating Alignment Type Housing Features Circular Connector Shell Size Dimensions Wire Size	Yes 4 A Yes Pin Panel Mount A Keyed



Operation/Application

Circuit Application	Signal
Shielded	No
Industry Standards	
UL Flammability Rating	UL 94HB
Packaging Features	
Packaging Quantity	1
Other	
Field Serviceable	No

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 with Exemptions
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 2024 (241) SVHC > Threshold: Pb (1.9% 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	Not applicable for solder process capability

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

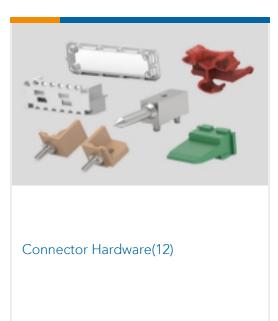


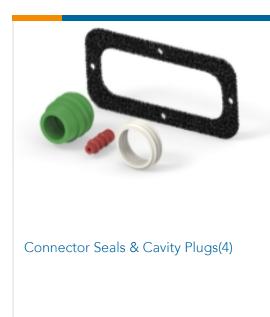
Compatible Parts

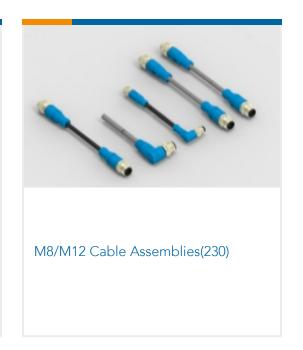


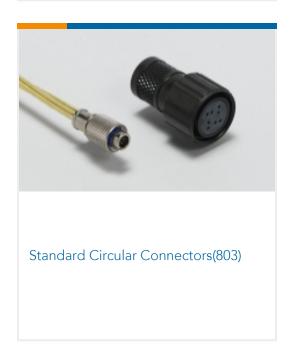
Also in the Series | M12 Connector











Customers Also Bought























Documents

Product Drawings

M12,REAR MOUNTING,MALE,A,3P,0.2M WIRE

English

CAD Files

Customer View Model

ENG_CVM_CVM_T4171010003-001_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_T4171010003-001_B.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_T4171010003-001_B.2d_dxf.zip

English

3D PDF

3D

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

Application Specification

English

Agency Approvals

UL Report

Wire-to-Panel, 3 Position, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Nickel, M12 Connector, Standard Circular Connectors



English