

T4171010003-001 ✓ ACTIVE



## M12 Connector

TE Internal #: T4171010003-001

Wire-to-Panel, Circular Connector Plug, 3 Position, Shell Size 18, Sealable, Wire & Cable, Signal, Panel Mount & Wire Mount, M12 Connector

[View on TE.com >](#)

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



Connector System: **Wire-to-Panel**

Connector Mounting Type: **Panel Mount & Wire Mount**

Number of Positions: **3**

Sealable: **Yes**

Connector & Contact Terminates To: **Wire & Cable**

[All M12 Panel Mount Wire \(66\)](#)

## Features

### Product Type Features

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

### Configuration Features

Keying & Polarized Position Locations	A
Factory Installed Backshell	No



Number of Positions	3
Number of Power Positions	0
Number of Signal Positions	3
Contacts Preloaded	Yes

#### Electrical Characteristics

Operating Voltage	250 VAC
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#### Body Features

O-Ring Material	Silicone
Environmental Protection Type	Sealed
Primary Product Color	Black
Peripheral Seal Material	Silicone
Shell Plating Material	Nickel
Shell Base Material	Copper Alloy
Circular Connector Insulation Material Type	Polyamide 66 GF25
Hermetically Sealed	Yes

#### Contact Features

Contact Current Rating (Max)	4 A
Reverse Gender	Yes
Circular Connector Contact Type	Pin

#### Mechanical Attachment

Connector Mounting Type	Panel Mount & Wire Mount
Polarization Code	A
Mating Alignment Type	Keyed

#### Housing Features

Circular Connector Shell Size	18
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#### Dimensions

Wire Size	22 AWG
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#### Usage Conditions

IP Water Sealing Level	IP67
Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]

#### Operation/Application



Circuit Application	Signal
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Shielded	No
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### Industry Standards

UL Flammability Rating	UL 94HB
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### Packaging Features

Packaging Quantity	1
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### Other

Field Serviceable	No
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## Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
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EU ELV Directive 2000/53/EC	Compliant with Exemptions
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China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量超出标准 Restricted Substance(s) Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Pb (1.9% in 2505725083)
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**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.
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Solder Process Capability	Not applicable for solder process capability
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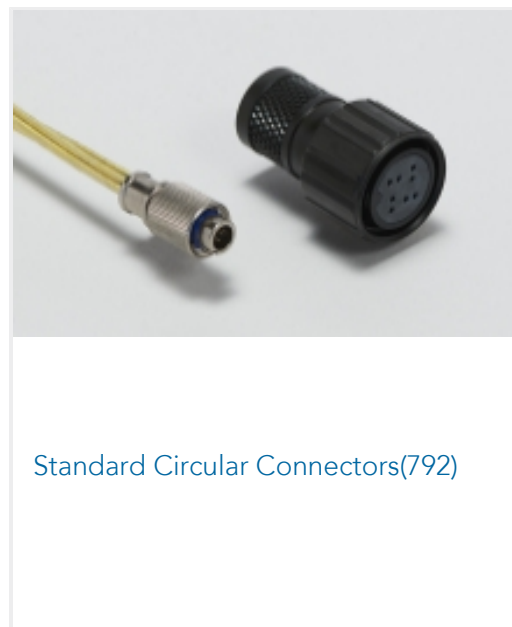
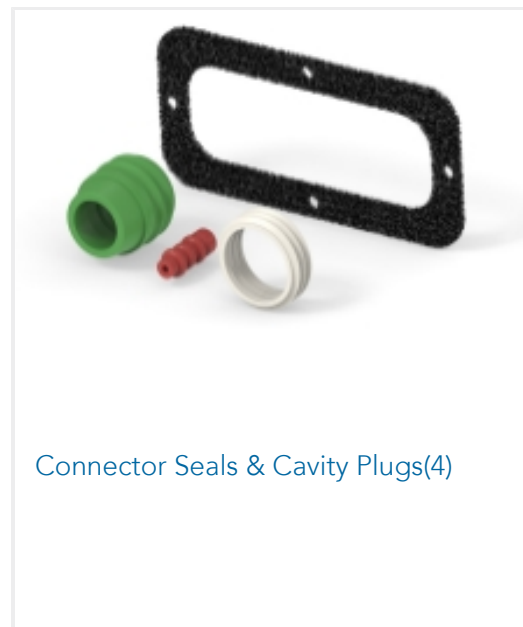
#### Product Compliance Disclaimer

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

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### 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.

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### Datasheets & Catalog Pages

[M8 / M12 Connector System Catalog](#)

Japanese

[M8 / M12 Connector System Catalog](#)

English

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### Product Specifications

[Application Specification](#)

English

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### Agency Approvals

[UL](#)

English