# T4112012031-000 ACTIVE



### M12 Connector

TE Internal #: T4112012031-000

Cable-to-Cable, 3 Position, Sealable, Wire & Cable, Signal, Cable Mount (Free-Hanging), Reverse Gender, M12 Connector, Standard

Circular Connectors

View on TE.com >



Connectors > Circular Connectors > Standard Circular Connectors











Connector System: Cable-to-Cable

Connector Mounting Type: Cable Mount (Free-Hanging)

Number of Positions: 3

Sealable: Yes

Connector & Contact Terminates To: Wire & Cable

### **Features**

### **Product Type Features**

Froduct Type realures	
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	Cable-to-Cable
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Receptacle
Shell Type	Metal
Configuration Features	
Keying & Polarized Position Locations	A

With

Factory Installed Backshell



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
Voltage	250 Vrms
Body Features	
Peripheral Seal Material	Silicone
Environmental Protection	IP67
O-Ring Material	Silicone
Environmental Protection Type	Elastomer Sealed
Shell Plating Material	Nickel
Shell Base Material	Copper Alloy
Circular Connector Insulation Material Type	Polyamide 66 GF25
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  Socket
Hermetically Sealed  Contact Features  Contact Current Rating (Max)  Reverse Gender  Circular Connector Contact Type  Mechanical Attachment  Mating Retention Type	Yes  4 A  Yes  Socket  Threaded Coupling
Hermetically Sealed  Contact Features  Contact Current Rating (Max)  Reverse Gender  Circular Connector Contact Type  Mechanical Attachment  Mating Retention Type  Mating Alignment	Yes  4 A  Yes  Socket  Threaded Coupling  With
Hermetically Sealed  Contact Features  Contact Current Rating (Max)  Reverse Gender  Circular Connector Contact Type  Mechanical Attachment  Mating Retention Type  Mating Alignment  Connector Mounting Type	Yes  4 A  Yes  Socket  Threaded Coupling  With  Cable Mount (Free-Hanging)
Hermetically Sealed  Contact Features  Contact Current Rating (Max)  Reverse Gender  Circular Connector Contact Type  Mechanical Attachment  Mating Retention Type  Mating Alignment  Connector Mounting Type  Polarization Code	Yes  4 A  Yes  Socket  Threaded Coupling  With  Cable Mount (Free-Hanging)  A
Hermetically Sealed  Contact Features  Contact Current Rating (Max)  Reverse Gender  Circular Connector Contact Type  Mechanical Attachment  Mating Retention Type  Mating Alignment  Connector Mounting Type  Polarization Code  Mating Alignment Type	Yes  4 A  Yes  Socket  Threaded Coupling  With  Cable Mount (Free-Hanging)  A
Hermetically Sealed  Contact Features  Contact Current Rating (Max)  Reverse Gender  Circular Connector Contact Type  Mechanical Attachment  Mating Retention Type  Mating Alignment  Connector Mounting Type  Polarization Code  Mating Alignment Type  Housing Features	Yes  4 A  Yes  Socket  Threaded Coupling  With  Cable Mount (Free-Hanging)  A  Keyed
Hermetically Sealed  Contact Features  Contact Current Rating (Max)  Reverse Gender  Circular Connector Contact Type  Mechanical Attachment  Mating Retention Type  Mating Alignment  Connector Mounting Type  Polarization Code  Mating Alignment Type  Housing Features  Circular Connector Shell Size	Yes  4 A  Yes  Socket  Threaded Coupling  With  Cable Mount (Free-Hanging)  A  Keyed



IP Dust Sealing Level	6
IP Water Sealing Level	IP67
Operating Temperature Range	-40 - 85 °C[-40 - 185 °F]
Operation/Application	
Durability Rating	100 Cycles
Circuit Application	Signal
Shielded	Yes
Industry Standards	
UL Flammability Rating	UL 94HB
Other	
Position Locations Omitted	0
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 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 (4% 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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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

Cable-to-Cable, 3 Position, Sealable, Wire & Cable, Signal, Cable Mount (Free-Hanging), Reverse Gender, M12 Connector, Standard Circular Connectors

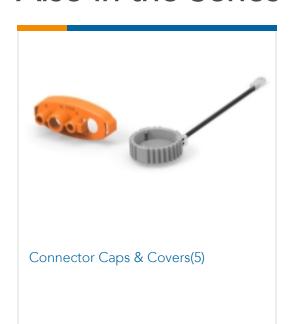


on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

# Compatible Parts

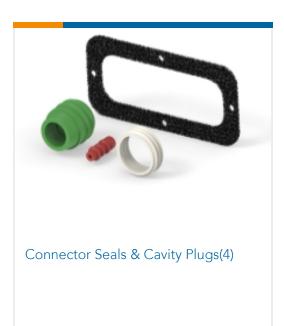


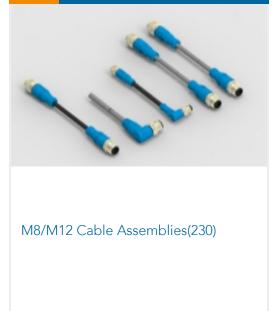
# Also in the Series | M12 Connector

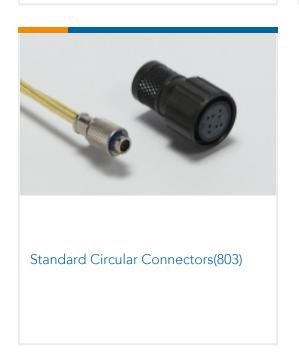




Connector Hardware(12)







# Customers Also Bought



















### **Documents**

## **Product Drawings**

M12 F, 3P GOLD A\_CODE RA SHIELDED PG9

English

### **CAD Files**

**Customer View Model** 

ENG\_CVM\_CVM\_T4112012031-000\_B.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_T4112012031-000\_B.3d\_stp.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_T4112012031-000\_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

English