# 1SET310001R0000 <

### ENTRELEC | M8 Connector

TE Internal #: 1SET310001R0000 3 Position Circular Connector, Wire-to-Wire, Sealable, Wire & Cable, Signal, PBT, A Code, Polyamide 66 GF25, 0 Power Positions, M8 Connector

#### View on TE.com >

#### Connectors > Circular Connectors > Standard Circular Connectors



Number of Positions: 3

Connector System: Wire-to-Wire

Sealable: Yes

Connector & Contact Terminates To: Wire & Cable

Contact Current Rating (Max): 3A

## Features



### **Electrical Characteristics**

Operating Voltage	60 VDC
Industry Standards	
UL Flammability Rating	UL 94HB
Other	
Field Serviceable	Yes
EU RoHS Compliance	Compliant with Exemptions
EU ELV Compliance	Compliant
Usage Conditions	
IP Dust Sealing Level	6
IP Water Sealing Level	IP67
Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
Mechanical Attachment	
Mating Retention Type	Threaded Coupling

3 Position Circular Connector, Wire-to-Wire, Sealable, Wire & Cable, Signal, PBT, A Code, Polyamide 66 GF25, 0 Power Positions, M8 Connector



O-Ring MaterialSiliconeO-Ring MaterialSiliconeEnvironmental Protection TypeEastomer SealedEnvironmental Protection TypeBlackPrinary Product ColorBlackPeripheral Seal MaterialSiliconeShell Base MaterialPBTCircular Connector Insulation Material TypePolyamide 66 GT25Orability Rating100 CyclesCircular ApplicationSignalCircular ApplicationSignalSheldedNoProduct Type FeaturesConnector AssemblyConnector SystemUestroal Connector TypeSealableVire & Connector TypeSealableVire & CableCircular Connector TypeSiliconectorSealableVire & CableConnector Resemblation TypePatricCircular Connector TypeSiliconectorSealableVire & CableCircular Connector TypeReceptacleShell TypePatricFactor Installed BackshellSiliconectorNumber of Positions3Number of Positions3Number of Signal Positions3Number of Signal Positions3Signal PositionsSiliconectorSignal PositionsSiliconectorSignal PositionsSiliconectorSignal PositionsSiliconectorSignal PositionsSiliconectorSignal PositionsSiliconectorSignal PositionsSiliconectorSignal PositionsSiliconectorSignal PositionsSilicon	Mating Alignment	With
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	Contact Current Rating (Max)	3 A

3 Position Circular Connector, Wire-to-Wire, Sealable, Wire & Cable, Signal, PBT, A Code, Polyamide 66 GF25, 0 Power Positions, M8 Connector



Reverse Gender	No
Circular Connector Contact Type	Socket
Housing Features	
Circular Connector Shell Size	12
Dimensions	
Wire Size	24 – 26 AWG
For compliance documentation, visit the product page on TE.com> EU RoHS Directive 2011/65/EU	Compliant with Exemptions
$E \downarrow D = \downarrow \downarrow C D = 10000000000000000000000000000000000$	
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 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 reviewed 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

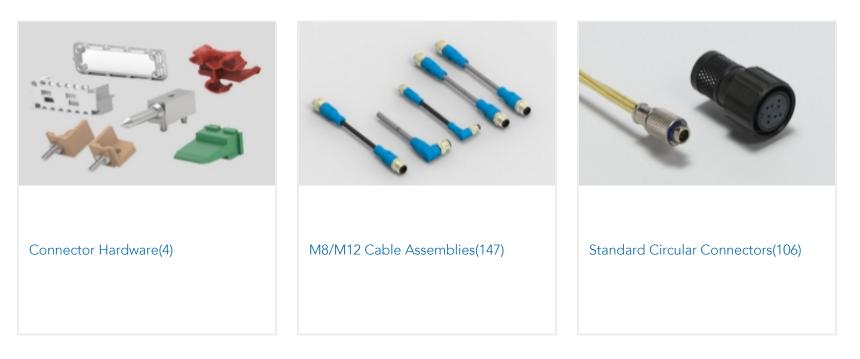
## **Compatible Parts**

3 Position Circular Connector, Wire-to-Wire, Sealable, Wire & Cable, Signal, PBT, A Code, Polyamide 66 GF25, 0 Power Positions, M8 Connector





## Also in the Series | M8 Connector



## Documents

Product Drawings M8-FS-3CON-PG7-MU

English

**CAD** Files

#### 3D PDF

3D

**Customer View Model** 

## ENG\_CVM\_CVM\_1SET310001R0000\_A.2d\_dxf.zip

English

Customer View Model ENG\_CVM\_CVM\_1SET310001R0000\_A.3d\_igs.zip

English

Customer View Model ENG\_CVM\_CVM\_1SET310001R0000\_A.3d\_stp.zip

English

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

Datasheets & Catalog Pages

Infographic - entrelec ews-linecard

English

Catalog - ENTRELEC-M8-M12-RJ45

English

**Product Specifications** 

**C** For support call+1 800 522 6752

3 Position Circular Connector, Wire-to-Wire, Sealable, Wire & Cable, Signal, PBT, A Code, Polyamide 66 GF25, 0 Power Positions, M8 Connector



Application Specification

English

Application Specification

English