

1SET310002R0000 ✓ ACTIVE

ENTRELEC | M8 Connector

TE Internal #: 1SET310002R0000

4 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: 4

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

Sealable: **Yes**

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

Contact Current Rating (Max): **3 A**

## Features

### Electrical Characteristics

Operating Voltage	30 VDC
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### Industry Standards

UL Flammability Rating	UL 94HB
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### 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
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Mating Alignment	With
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Polarization Code	A
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Mating Alignment Type	Keyed
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### Body Features

O-Ring Material	Silicone
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Environmental Protection	IP67
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Environmental Protection Type	Elastomer Sealed
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Primary Product Color	Black
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Peripheral Seal Material	Silicone
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Shell Base Material	PBT
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Circular Connector Insulation Material Type	Polyamide 66 GF25
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### Operation/Application

Durability Rating	100 Cycles
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Circuit Application	Signal
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Shielded	No
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### Product Type Features

Connector Product Type	Connector Assembly
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Assembly Type	Electrical Connector
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Prewired	No
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Connector System	Wire-to-Wire
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Sealable	Yes
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Connector & Contact Terminates To	Wire & Cable
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Circular Connector Type	Receptacle
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Shell Type	Plastic
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### Configuration Features

Factory Installed Backshell	With
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Number of Positions	4
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Number of Power Positions	0
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Number of Signal Positions	4
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Contacts Preloaded	Yes
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### Contact Features

Contact Current Rating (Max)	3 A
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Reverse Gender	No
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Circular Connector Contact Type	Socket
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### Housing Features

Circular Connector Shell Size	12
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### Dimensions

Wire Size	24 – 26 AWG
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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
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	<p>Current ECHA Candidate List: JUNE 2024 (241)</p> <p>Candidate List Declared Against: JUNE 2024 (241)</p> <p>SVHC &gt; Threshold: Pb (1.9% in Component Part)</p> <p><b>Article Safe Usage Statements:</b> 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.</p>
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Not reviewed for solder process capability
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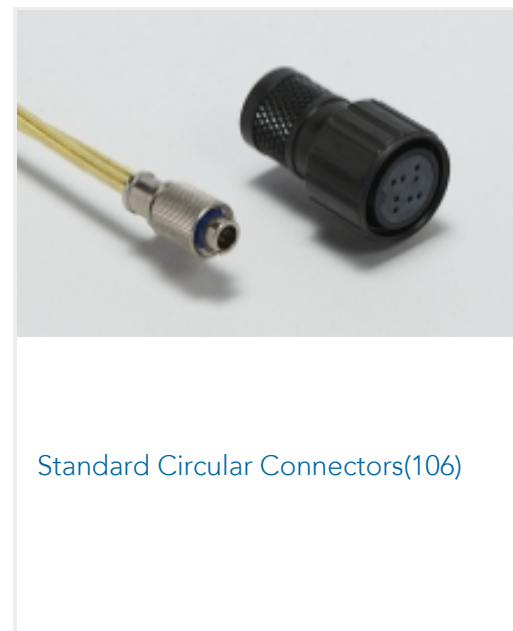
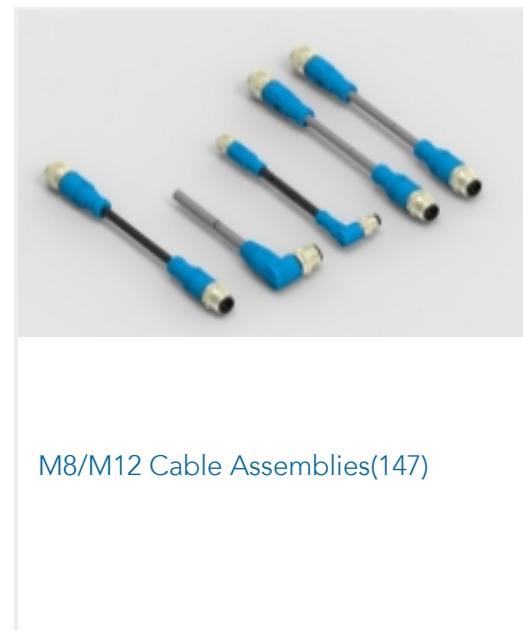
#### Product Compliance Disclaimer

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 | M8 Connector



## Documents

### Product Drawings

[M8-FS-4CON-PG7-MU](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1SET310002R0000\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1SET310002R0000\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1SET310002R0000\\_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

1SET310002R0000

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



[Application Specification](#)

English

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English