1SET310001R0000 ✓ ACTIVE

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): **3 A**

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

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Mating Alignment	With
Polarization Code	A
Mating Alignment Type	Keyed

Body Features

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

Operation/Application

Durability Rating	100 Cycles
Circuit Application	Signal
Shielded	No

Product Type Features

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

Configuration Features

Factory Installed Backshell	With
Number of Positions	3
Number of Power Positions	0
Number of Signal Positions	3
Contacts Preloaded	Yes

Contact Features

Contact Current Rating (Max)	3 A

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Reverse Gender	No
Circular Connector Contact Type	Socket

Housing Features

Circular Connector Shell Size	12

Dimensions

Wire Size	24 – 26 AWG

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
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
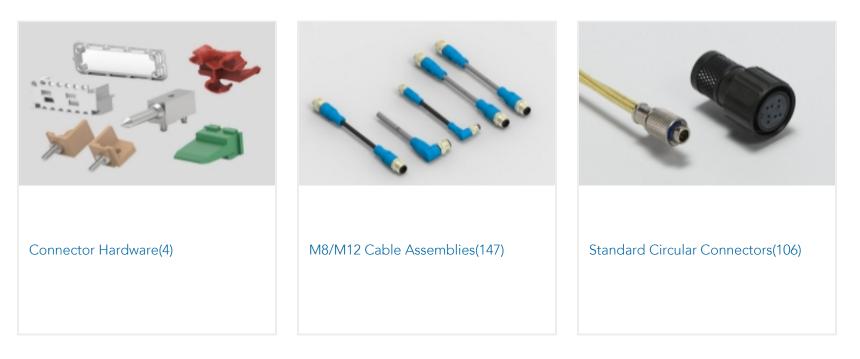
Compatible Parts

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

TE Part # 1SET310005R0000

M8-MS-3CON-PG7-MU

Also in the Series | M8 Connector

Connector Hardware(4)

M8/M12 Cable Assemblies(147)

Standard Circular Connectors(106)

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

1SET310001R0000

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