



Connectors > Circular Connectors > Standard Circular Connectors



Number of Positions: 5

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

Sealable: **Yes**

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

Contact Current Rating (Max): **4 A**

Features

Electrical Characteristics

| | |
|-------------------|--------|
| Operating Voltage | 60 VDC |
|-------------------|--------|

Packaging Features

| | |
|--------------------|---|
| Packaging Quantity | 1 |
|--------------------|---|

Industry Standards

| | |
|------------------------|---------|
| UL Flammability Rating | UL 94HB |
|------------------------|---------|

Other

| | |
|--------------------|---------------------------|
| Field Serviceable | Yes |
| EU RoHS Compliance | Compliant with Exemptions |
| EU ELV Compliance | Compliant with Exemptions |

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 |
| 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 | Plug |
| Shell Type | Plastic |

Configuration Features

| | |
|-----------------------------|-----|
| Factory Installed Backshell | No |
| Number of Positions | 5 |
| Number of Power Positions | 0 |
| Number of Signal Positions | 5 |
| Contacts Preloaded | Yes |



Contact Features

| | |
|---------------------------------|-----|
| Contact Current Rating (Max) | 4 A |
| Reverse Gender | No |
| Circular Connector Contact Type | Pin |

Housing Features

| | |
|-------------------------------|----|
| Circular Connector Shell Size | 20 |
|-------------------------------|----|

Dimensions

| | |
|-----------|-------------|
| Wire Size | 18 – 24 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 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 (3.7% 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 |

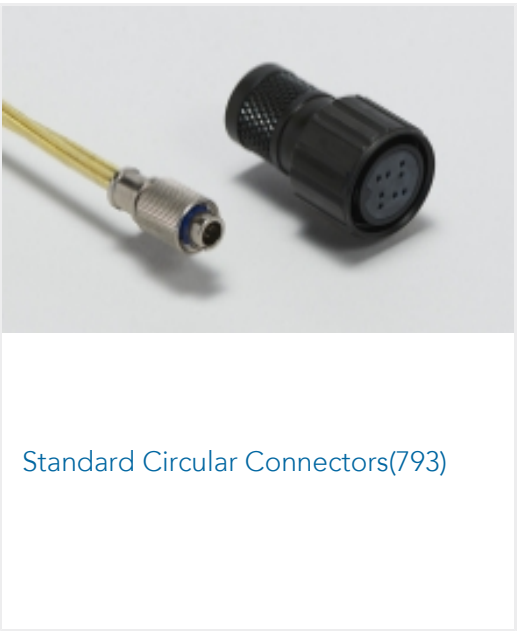
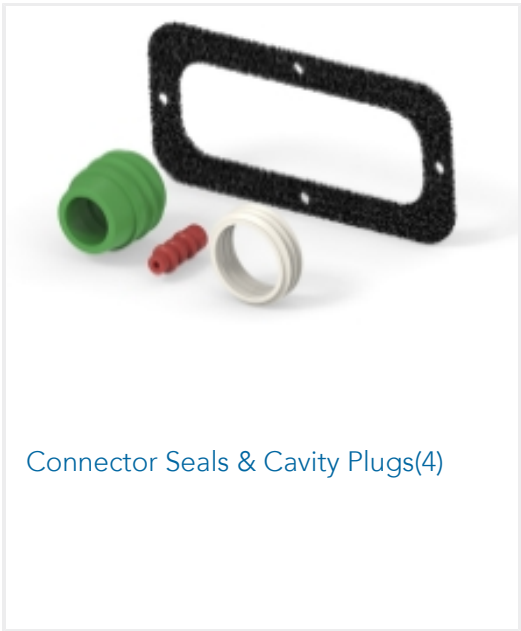
Product Compliance Disclaimer

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



Also in the Series | M12 Connector



Documents

Product Drawings
M12-MS-5CON-PG9-MU

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1SET310321R0000_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1SET310321R0000_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1SET310321R0000_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

1SET310321R0000

5 Position Circular Connector, Wire-to-Wire, Sealable, Wire & Cable, Signal, PBT, Code A, Polyamide 66 GF25, 0 Power Positions, M12 Connector



Application Specification

English