



M12 Rail PG Clamp

TE Internal #: 1-2308323-1

8 Position Circular Connector, Cable-to-Cable, Sealable, Wire & Cable, Signal, Reverse Gender, Plastic, A Code, M12 Rail PG Clamp

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Connectors > Circular Connectors > Standard Circular Connectors > M12 Straight D4 PG Clamp



Number of Positions: 8

Connector System: **Cable-to-Cable**

Sealable: **Yes**

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

Contact Current Rating (Max): **2 A**

[All M12 Straight D4 PG Clamp \(12\)](#)

Features

Product Type Features

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

Configuration Features

|                                       |      |
|---------------------------------------|------|
| Keying & Polarized Position Locations | A    |
| Factory Installed Backshell           | With |



|                            |     |
|----------------------------|-----|
| Number of Positions        | 8   |
| Number of Power Positions  | 0   |
| Number of Signal Positions | 8   |
| Contacts Preloaded         | Yes |

Electrical Characteristics

|                                         |           |
|-----------------------------------------|-----------|
| Operating Voltage                       | 30 VDC    |
| EMI & RFI Protection & Suppression Type | Shielding |

Body Features

|                                             |                               |
|---------------------------------------------|-------------------------------|
| Product Weight                              | 25 g[.8832 oz]                |
| Environmental Protection                    | IP67                          |
| Environmental Protection Type               | Sealed                        |
| Primary Product Color                       | Black                         |
| Shell Base Material                         | Plastic                       |
| Circular Connector Insulation Material Type | Low Fire Hazard Thermoplastic |
| Hermetically Sealed                         | Yes                           |

Contact Features

|                                 |        |
|---------------------------------|--------|
| Contact Current Rating (Max)    | 2 A    |
| Reverse Gender                  | Yes    |
| Circular Connector Contact Type | Socket |

Termination Features

|                                    |       |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

Mechanical Attachment

|                       |          |
|-----------------------|----------|
| Mating Retention Type | Threaded |
| Mating Alignment      | With     |
| Polarization Code     | A        |
| Mating Alignment Type | Keyed    |
| Mating Retention      | With     |

Housing Features

|                               |    |
|-------------------------------|----|
| Circular Connector Shell Size | 19 |
|-------------------------------|----|

Usage Conditions

|                        |      |
|------------------------|------|
| IP Dust Sealing Level  | 6    |
| IP Water Sealing Level | IP67 |



|                             |                           |
|-----------------------------|---------------------------|
| Operating Temperature Range | -40 – 85 °C[-40 – 185 °F] |
|-----------------------------|---------------------------|

Operation/Application

|                     |            |
|---------------------|------------|
| Durability Rating   | 250 Cycles |
| Circuit Application | Signal     |
| Shielded            | Yes        |

Industry Standards

|                                             |     |
|---------------------------------------------|-----|
| Compatible With Approved Standards Products | IEC |
|---------------------------------------------|-----|

Packaging Features

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

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                   | Not Yet Reviewed                                                                                                                                                                                                                                                                                                                                                                                                              |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold                                                                                                                                                                                                                                                                                                                                                                                          |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JAN 2025 (247)<br>Candidate List Declared Against: JUNE 2024 (241)<br>SVHC > Threshold:<br>Pb (3.5% in Component Part)<br><b>Article Safe Usage Statements:</b><br>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 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



TE Part # CAT-R131-IN722  
Crimp Insert for Use with 1-2823557-1



TE Part # CAT-M1-P489D  
M12 Crimp Contact for A8 Code



TE Part # 601967-1  
CRIMPING TOOL M22520/1-01



TE Part # 1-2823557-1  
CRIMP TOOL FOR CRIMP FLANGE /SLEEVE



TE Part # 1-2823560-1  
ASSEMBLY TOOL HANDLE FOR CRIMP FLANGE



TE Part # 1-2823561-1  
UNIVERSAL INSERT (ALL M12 CODES)



TE Part # CAT-M1-M1  
M12 Assembly Tooling



TE Part # 601966-1  
CRIMPING TOOL M22520/2-01

Also in the Series | M12 Rail PG Clamp



Standard Circular Connectors(22)

Customers Also Bought



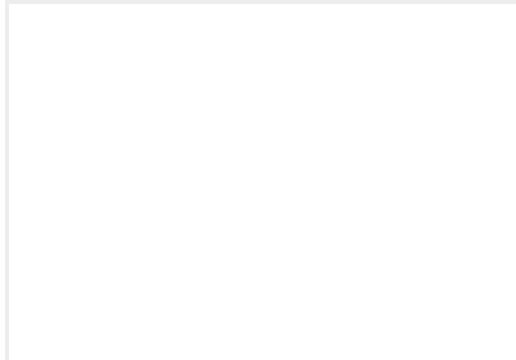
TE Part #650126-000  
D-436-82



TE Part #CAT-M1-P489D  
M12 Crimp Contact for A8 Code



TE Part #T41512C9L25-005  
RPC-M12L-5MR-5.0-PUR 16AWG GY



TE Part #CAT-M1-P489  
M12 Straight D4 PG Clamp



Documents

Product Drawings

M12 A-CODED F-8 CAB GLAND CONECTR FEMALE

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_1-2308323-1\_C.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-2308323-1\_C.3d\_igs.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-2308323-1\_C.2d\_dxf.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

M12 Rail Straight Connector

English