1-2308323-2 ✔ ACTIVE

M12 Rail PG Clamp

TE Internal #: 1-2308323-2

Cable-to-Cable, Circular Connector Receptacle, 8 Position, Shell Size 19, Sealable, Wire & Cable, Signal, M12 Rail PG Clamp

View on TE.com >

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







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

Connector Mounting Type: **Cable Mount (Free-Hanging)**

Number of Positions: **8**

Sealable: **Yes**

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

All M12 Straight D4 PG Clamp (12)

Features

Product Type Features

Assembly Requirement	Factory Assembled
Circular Connector Shell Type	Metal-Shell
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	Circular Connector Receptacle
Shell Type	Metal

Configuration Features

Keying & Polarized Position Locations	A
Factory Installed Backshell	With

Number of Positions	8
Number of Power Positions	3
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	Metalized Silver
Shell Plating Material	Nickel
Shell Base Material	Zinc Alloy
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
Connector Mounting Type	Cable Mount (Free-Hanging)
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	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 2025 (250) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (3.5% 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	Low Halogen - Br, Cl, F < 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 # 601966-1
CRIMPING TOOL M22520/2-01



TE Part # 1-2823561-1
ASSEMBLY TOOL HANDLE FOR CRIMP FLANGE



TE Part # CAT-M1-M1
M12 Assembly Tooling



TE Part # 1-2314101-1
M12 CRIMP CONTACT SOCKET 0.8 MM AWG22/24



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



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



TE Part # 1-2823560-1
UNIVERSAL INSERT (ALL M12 CODES)



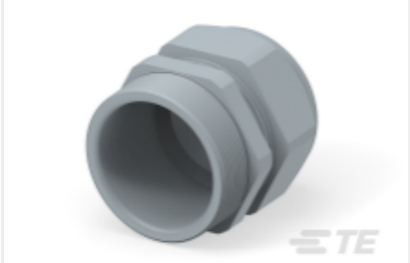
TE Part # 1-2823557-1
CRIMP TOOL FOR CRIMP FLANGE /SLEEVE

Also in the Series | M12 Rail PG Clamp



Standard Circular Connectors(22)

Customers Also Bought



TE Part #1SNG601146R0000
EP-SG-M63-GR-B



TE Part #T4113012081-000
M12 M, 8P GOLD A_CODE RA SHIELDED PG9



TE Part #T4110012081-000
M12 F, 8P GOLD A_CODE S SHIELDED PG9

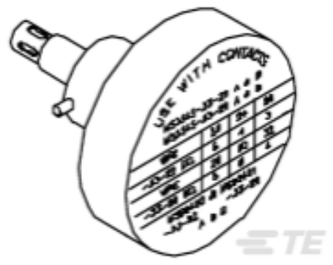
TE Part #CAT-M1-P489
M12 Straight D4 PG Clamp



TE Part #1-2314097-1
M12 CRIMP CONTACT PIN 0.8MM AWG22/AWG24



TE Part #1-2314103-2
M12 CRIMP CONTACT SOCKET 1MM AU 0.8AWG22



TE Part #1-2823582-9
POSITIONER M12 RAIL A8 SOCK COMPACT

Documents

Product Drawings

M12 A-CODED F-8 CAB GLAND CONECTR FEMALE

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-2308323-2_C.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_1-2308323-2_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2308323-2_C.3d_igs.zip

English

3D PDF

3D

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Product Specifications

Application Specification

English