



M12 Rail PG Clamp

TE Internal #: 1-2308323-2
Cable-to-Cable, 8 Position, Sealable, Wire & Cable, Signal, Cable Mount (Free-Hanging), M12 Rail PG Clamp, Standard Circular Connectors

[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

Product Type	Connector Assembly
Accessory Color	Black
Assembly Requirement	Factory Assembled
Assembly Type	Electrical Connector
Circular Connector Shell Type	Metal-Shell
Connector Product Type	Connector Assembly
Connector System	Cable-to-Cable
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Receptacle
Shell Type	Metal

Configuration Features

Keying	A
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Number of Positions	8
Number of Power Positions	3
Number of Signal Positions	8
Contacts Preloaded	Yes

Electrical Characteristics

Operating Voltage	30 VDC
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Signal Characteristics

Data Rate	1 Gb/s
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Body Features

Environmental Protection	Yes
Weight	25 g[.0552 lb]
Environmental Protection Type	Elastomer Sealed
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

Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
Polarization Code	A
Mating Alignment Type	Keyed

Housing Features

Circular Connector Shell Size	19
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Dimensions

Compatible Insulation Diameter Range	5.5 – 9 mm
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Usage Conditions

Fluid Resistance	Moisture/Spray
IP Dust Sealing Level	6



IP Water Sealing Level	IP67
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Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
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Operation/Application

Durability Rating	250 Cycles
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Circuit Application	Signal
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Shielded	Yes
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	1
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Other

Position Locations Omitted	0
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Field Serviceable	Yes
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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 with Exemptions
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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	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JAN 2024 (240) 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.
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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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




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



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




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



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

Also in the Series | M12 Rail PG Clamp



Standard Circular Connectors(22)

Customers Also Bought



TE Part #2-36152-1
PIDG 22-16 22-18 MIL R 6; TAPE



TE Part #1-2312547-2
M12 A-CODE M-8 CABLE GLAND CONECTR MALE



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



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



TE Part #5745563-1
HD KIT, SCREWLOCK FEMALE

TE Part #T4112012081-000
M12 F, 8P GOLD A_CODE RA SHIELDED PG9

TE Part #6-2176369-8
RQ 0603 200R 0.1% 10PPM 5K RL

TE Part #403289-000
CWT-3

TE Part #C58LL-RPSM-2438-NM
RP-SMA to N Type 2458mm RG58

TE Part #3-1614958-1
CPF 0805 2R0 0.1% 25ppm 1K RL

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

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

Product Specifications

Application Specification

English