

M8 Connector

TE Internal #: T4010019041-000

Standard Circular Connectors, Wire-to-Wire, 4 Position, Sealable, Wire & Cable, Signal, Brass, A Polarization Code, Polyamide 66 GF25, M8 Connector

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Connectors > Circular Connectors > Standard Circular Connectors > M8 Field Installable



Connector System: **Wire-to-Wire**
Number of Positions: **4**
Sealable: **Yes**
Connector & Contact Terminates To: **Wire & Cable**
Contact Current Rating (Max): **3 A**

[All M8 Field Installable \(16\)](#)

Features

Product Type Features

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

Configuration Features

Factory Installed Backshell	With
Keying	A
Number of Positions	4



Number of Power Positions	0
Number of Signal Positions	4
Contacts Preloaded	Yes

Electrical Characteristics

Operating Voltage	30 VAC
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Body Features

Peripheral Seal Material	Silicone
Environmental Protection	IP67
O-Ring Material	Silicone
Environmental Protection Type	Elastomer Sealed
Shell Base Material	Brass
Circular Connector Insulation Material Type	Polyamide 66 GF25

Contact Features

Contact Current Rating (Max)	3 A
Reverse Gender	No
Circular Connector Contact Type	Socket

Mechanical Attachment

Mating Retention Type	Threaded Coupling
Mating Alignment	With
Polarization Code	A
Mating Alignment Type	Keyed

Housing Features

Circular Connector Shell Size	12
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Dimensions

Wire Size	.25 - .14 mm ²
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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	100 Cycles
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Circuit Application	Signal
Shielded	Yes

Industry Standards

UL Flammability Rating	UL 94HB
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Other

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
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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable 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 # T4011019041-000
M8,SCREW, MALE,S,SHIELD,4P,GOLD

TE Part # 3-2172091-2
M8.FMLE.PNLREAR.4POS.PCBSTAND. RA.SHLD

TE Part # 225499-E
M8 MALE, A CODE, 4P, 13MM, THR

TE Part # 3-2172093-2
M8.MALE.PNLREAR.4POS.RA. PCBSTND.SHLD

TE Part # 224152-E
M8 MALE, A CODE, 4P, 16.25MM SMT

TE Part # 234235-E
M8 MALE, A CODE, 4P, 16.25MM SMT

TE Part # 235006-E
M08 M 4 UNI L90H T * 301 * 094 * * Y VDS

TE Part # 294941-E
M8 ASSY KIT, MALE, 4P

TE Part # T4062214004-020
RPC-M8-4MR-2.0SH-M8-4FR-PVC

TE Part # T4062214004-040
RPC-M8-4MR-2.0SH-M8-4FR-PVC

TE Part # T4062224004-020
RPC-M8-4MR-2.0SH-M8-4FR-PUR

TE Part # T4062224004-040
RPC-M8-4MR-4.0SH-M8-4FR-PUR

Also in the Series | M8 Connector

Connector Caps & Covers(5)

Connector Hardware(4)

M8/M12 Cable Assemblies(147)

Standard Circular Connectors(105)

Customers Also Bought

TE Part # 2273000-1
M8 x 1.0 straight plug Pigtail

TE Part # 1609133-2
6ESRFC3=F6987

TE Part # T4012019041-000
M8,SCREW, FEMALE,R/A,SHIELD,4P, GOLD

TE Part # 1986692-2
STR PLUG SPRING TYPE RH 2P, 3.50 mm





TE Part # T4112011031-000
M12 F, 3P GOLD A_CODE RA
SHIELDED PG7



TE Part # 2083112-4
CABLE ASSY IND. USB-IND. USB
TYPE A



TE Part # YDTS26W17-08SNV001
PLUG ASSY



TE Part # EK4827-000
91H1-11-06-1-B-HE100



TE Part # T4111411041-000
M12 M, 4P GOLD B_CODE S
SHIELDED PG7

Documents

Product Drawings

M8,SCREW, FEMALE,S,SHIELD,4P,GOLD

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_T4010019041-000_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_T4010019041-000_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_T4010019041-000_C.3d_stp.zip

English

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

Datasheets & Catalog Pages

M8 / M12 Connector System Catalog

English

Product Specifications

Application Specification

English

Application Specification

English



Agency Approvals

UL

English