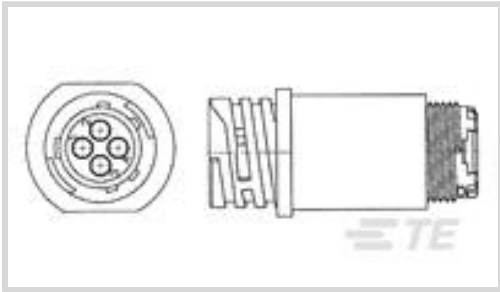




Connectors > Power Connectors > Circular Power > Circular Power Connectors > CPC SERIES 1 SEALED ONE-PIECE



Connector Product Type: **Housing**
Operating Voltage: **600 VDC**
Connector System: **Wire-to-Wire**
Number of Positions: **24**
Sealable: **Yes**

[All CPC SERIES 1 SEALED ONE-PIECE \(33\)](#)

Features

Product Type Features

Connector Product Type	Housing
Connector System	Wire-to-Wire
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Connector & Housing Type	Receptacle
Circular Connector Shell Type	All Plastic

Configuration Features

Reverse Numbering	With
Number of Positions	24
Number of Power Positions	0
Seal Type	Peripheral, Wire Entry Seal
Keying	A
Number of Signal Positions	24

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Reverse Gender	No
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Contact Type	Pin
Contact Protection	With

Mechanical Attachment

Screw & Hole Thread Size	1-3/8 - 18 UNEF-2A
Mating Alignment	With
Mating Retention	With
Panel Mount Feature	Without
Mating Alignment Type	Keyed
Mating Retention Type	Threaded Coupling

Housing Features

Body Orientation	Straight
Housing Color	Black
Housing Material	Nylon
Circular Connector Shell Size	23

Dimensions

Accepts Wire Insulation Diameter Range	1.65 – 3.04 mm [.065 – .1 in]
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Usage Conditions

Operating Temperature Range	-55 – 105 °C [-67 – 221 °F]
Fluid Resistance	Immersion

Operation/Application

Circuit Application	Signal
Shielded	No

Industry Standards

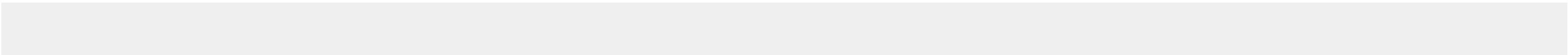
UL Flammability Rating	UL 94V-0
VDE Tested	No

Packaging Features

Packaging Method	Package
Packaging Quantity	1

Product Compliance

For compliance documentation, visit the product page on TE.com>





EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
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 # CAT-AM71-C83998
HEAT SHRINK STRAIN RELIEFS-CPC

TE Part # CAT-AM71-C83998Z
CPC SEALING KITS/ACCESSORIES

TE Part # CAT-AM71-C83998HH
CPC SEALED ACCESSORIES

TE Part # 208337-1
SEAL PROTECTOR PIN

TE Part # 208680-1
SEALING CAP ASSY,SZ 23,CPC

TE Part # CAT-AM71-C83998Y
CPC SERIES 1 SEALED ONE-PIECE

TE Part # CAT-AM71-C83998L
CPC SEALED ACCESSORIES

Also in the Series | AMP CPC



Circular Connector Adapters(7)



Circular Connector Boots & Strain Relief(6)



Circular Connector Caps & Covers(16)



Circular Connector Hardware(3)



Circular Connector Keying Plugs(2)



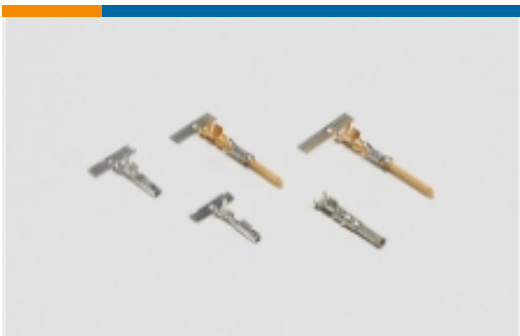
Circular Connector Seals(36)



Circular Power Connectors(513)



Insertion & Extraction Tools(1)



Power Contacts(5)



Sealing Sleeves(2)



Unscreened Circular Connector Backshells & Clamps(56)

Customers Also Bought



TE Part #1-66601-0
TYPE III CONTACTS LP HIGH CURRENT



TE Part #1718705-1
SINGLE WIRE SEAL,COLLAR DIA 2,



TE Part #1614884-9
CPF 0805 4R7 0.1% 25PPM 1K RL



TE Part #2-1546306-1
21P.374" DR BARRIER STRIP



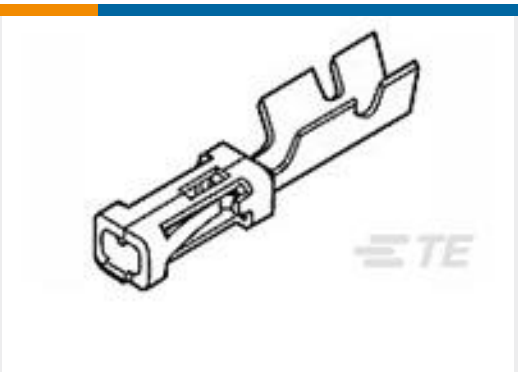
TE Part #165298
SOLIS DIN 1.5-2.5 R M5



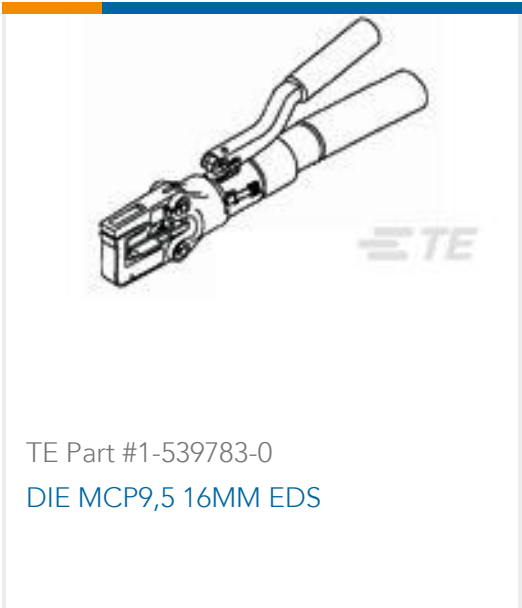
TE Part #DT04-6P-EP14
DEUTSCH DT Series Housings & Connectors



TE Part #1546350-2
CPC CABLE CLAMPS



TE Part #141603-4
MOD-4 REC.CONTACT



Documents

Product Drawings

SEALED CPC,SER1,23-24,FR RCPT

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_796291-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_796291-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_796291-1_A.3d_stp.zip

English

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

Datasheets & Catalog Pages

AMP Circular Connectors for Commercial Signal & Power Applications

English

Product Specifications

Product Specification

English