



Connectors > Power Connectors > Circular Power > Circular Power Connectors > Environmentally Sealed Circular Connector, CPC Series 5



Connector Product Type: **Housing**  
Operating Voltage: **250 VDC**  
Connector System: **Wire-to-Wire**  
Number of Positions: **3**  
Sealable: **Yes**

[All Environmentally Sealed Circular Connector, CPC Series 5 \(8\)](#)

Features

Product Type Features

Connector Seal & Plug Type	Peripheral, Wire Entry Seal
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	3
Number of Power Positions	3
Number of Signal Positions	0



Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Reverse Gender	Yes
Contact Type	Socket
Contact Protection	With

Mechanical Attachment

Mating Alignment Type	Keyed
Mating Alignment	With
Panel Mount Feature Type	Flange with Mounting Holes
Mating Retention Type	Threaded Coupling
Thread Size	15/16-20 UNEF – 2A
Polarization Code	A
Connector Mounting Type	Panel Mount
Mating Retention	With
Panel Mount Feature	With

Housing Features

Body Orientation	Straight
Housing Color	Black
Housing Material	Nylon
Circular Connector Shell Size	17

Dimensions

Compatible Insulation Diameter Range	3.81 – 6.73 mm[.15 – .265 in]
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Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal
Shielded	No

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features



Packaging Quantity	24
Packaging Method	Tray

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.5% in Component Part) Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part) Decamethylcyclopentasiloxane (D5) (.5% in Component Part) <b>Article Safe Usage Statements:</b> 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	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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-C83998U  
Environmentally Sealed Circular Connector, CPC Series 5

TE Part # CAT-AM71-C83998HH  
CPC SEALED ACCESSORIES

TE Part # 4-2407269-1  
CAP, CPC, SIZE 17 RECP, ORANGE

TE Part # 4-2407269-4  
CAP, CPC, SIZE 17 RECP, YELLOW

TE Part # 4-2407269-2  
CAP, CPC, SIZE 17 RECP, BLACK

TE Part # 4-2407269-3  
CAP, CPC, SIZE 17 RECP, RED

Also in the Series | AMP CPC

Circular Power Connectors(458)

Connector Backshells(1)

Connector Caps & Covers(19)

Connector Contacts(6)

Connector Hardware(12)

Connector Seals & Cavity Plugs(36)

Connector Strain Relief(60)

Insertion & Extraction Tools(1)

Sealing Sleeves(2)

Customers Also Bought



TE Part #213864-1  
Cable/Panel Mount Connector, CPC Series 1

TE Part #81665-2  
CPC Sealed Accessories

TE Part #206512-5  
CLAMP, CABLE SHELL, SIZE 23

TE Part #1-66361-2  
Pin and Socket Contacts, Type III, LP

TE Part #213933-1  
CPC, STRAIN RELIEF, SIZE 17

TE Part #206306-1  
23-37 RECEPT REV SEX

Documents

Product Drawings

CPC 17-3 RCPT ASY, REV SEX

English

CAD Files

3D PDF

English

Customer View Model

ENG\_CVM\_788189-2\_B.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_788189-2\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_788189-2\_B.3d\_stp.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_788189-2\_E.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_788189-2\_E.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_788189-2\_E.3d\_stp.zip

English





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Datasheets & Catalog Pages  
AMP Circular Connectors for Commercial Signal & Power Applications  
English

Product Specifications  
Product Specification  
English