



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
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	3.96 - 6.6 mm[.156 - .26 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	100
Packaging Method	Bag

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 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
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 # 213905-1
CPC PLUG ASSY, SERIES 5, SZ 17-3



TE Part # CAT-AM71-C83998
CPC Heat Shrink Strain Reliefs



TE Part # 81665-2
FLANGE GASKET CPC



TE Part # 213810-1
CPC COUPLING RING SIZE 17



TE Part # 208652-1
SEALING CAP ASSY,SZ 17,CPC

TE Part # 207445-3
SEALING CAP ASSY, 17,CPC ROHS Compliant

TE Part # 213889-1
CPC RCPT,FLANGE MNT,SRS 5,17-3

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

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

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

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

TE Part # 2423641-1
SEAL CAP ASSY, SZ17, SR 5&6, PLASTIC LAN

TE Part # 2423641-2
SEAL CAP ASSY, SZ17, SR 5&6, METAL BEAD

Also in the Series | AMP CPC

Circular Power Connectors(458)

Connector Backshells(1)

Connector Caps & Covers(16)

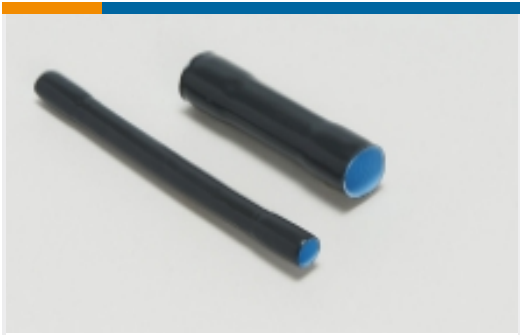
Connector Contacts(6)

Connector Hardware(12)

Connector Seals & Cavity Plugs(36)

Connector Strain Relief(60)

Insertion & Extraction Tools(1)



Sealing Sleeves(2)

Customers Also Bought



TE Part # 213841-3
POWERBAND Contacts



TE Part # T4113011051-000
M12 M, 5P GOLD A_CODE RA
SHIELDED PG7



TE Part # 1838891-1
M12 Mtl FEMALE PNL CONN. Sldr
Rear (Hex)



TE Part # 1838893-1
M12 Mtl MALE PNL CONN. Sldr Re



TE Part # 1-350777-1
02P UMNL V0 PLUG HSG BROWN



TE Part # 5-103944-2
5X3 MTE SHRD PIN SR POL .100



TE Part # 2-1879355-5
RR03 5% 43K AMMO

Documents

Product Drawings

CPC RECPT SEALED,SIZE 17-3

English

CAD Files

Customer View Model

ENG_CVM_213889-2_A.3d_igs.zip

English

Customer View Model

ENG_CVM_213889-2_A.3d_stp.zip

English

Customer View Model

ENG_CVM_213889-2_A.2d_dxf.zip

English

3D PDF

English

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_213889-2_H.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_213889-2_H.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_213889-2_H.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

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

Agency Approvals

[CSA Certificate](#)

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[CSA Certificate](#)

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