



Connectors > Power Connectors > Circular Power > Circular Power Connectors > CPC SERIES 3



Connector Product Type: **Housing**
Operating Voltage: **600 VDC**
Connector System: **Wire-to-Wire**
Number of Positions: **3**
Sealable: **No**

[All CPC SERIES 3 \(16\)](#)

Features

Product Type Features

Connector Product Type	Housing
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable
Connector & Housing Type	Plug
Circular Connector Shell Type	All Plastic

Configuration Features

Reverse Numbering	Without
Number of Positions	3
Number of Power Positions	3
Number of Signal Positions	0

Electrical Characteristics

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Operating Voltage	600 VAC
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Contact Features

Reverse Gender	No
Contact Type	Socket
Contact Current Rating (Max)	34 A
Contact Protection	With

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Mating Alignment Type	Keyed
Mating Alignment	With
Panel Mount Feature Type	Flange
Mating Retention Type	Threaded Coupling
Thread Size	15/16-20 UNEF - 2A
Polarization Code	A
Connector Mounting Type	Cable Mount (Free-Hanging)
Mating Retention	With
Panel Mount Feature	With

Housing Features

Body Orientation	Straight
Housing Color	Black
Housing Material	PA 6.6 GF
Circular Connector Shell Size	17

Dimensions

Compatible Insulation Diameter Range	5.59 mm[.22 in]
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Usage Conditions

Operating Temperature Range	-55 - 105 °C[-67 - 221 °F]
Fluid Resistance	None

Operation/Application

Circuit Application	Power
Shielded	No

Industry Standards



UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	100
Packaging Method	Standard

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	Not Low Halogen - contains Br or Cl > 900 ppm.
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-C83998J
Cable/Panel Mount Connector, CPC Series 1



TE Part # CAT-AM71-C83998AA
Two-Piece Receptacle, CPC Series 6



TE Part # 207299-3
FLANGE PLUG MOUNT CPC

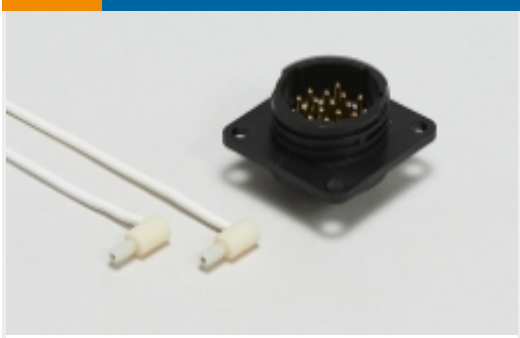
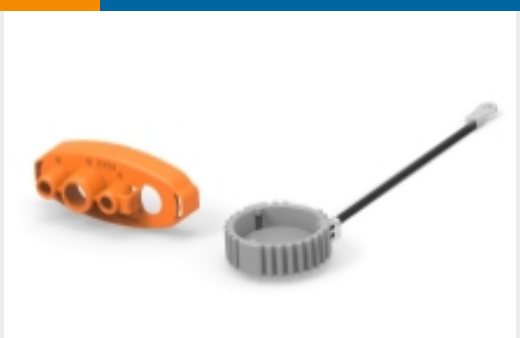
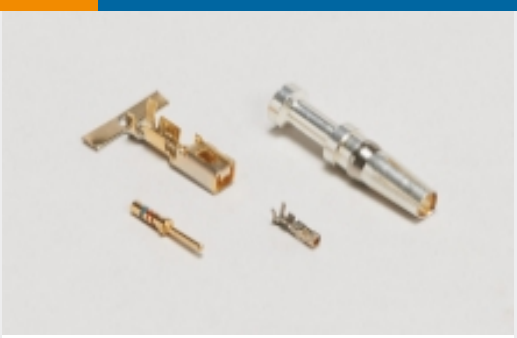


TE Part # CAT-AM71-C83998
CPC Heat Shrink Strain Reliefs



 TE Part # CAT-AM71-C83998B CPC Cable Clamps	 TE Part # CAT-AM71-C83998BB CPC SERIES 3	 TE Part # 1-796404-1 CPC PSTD RCPT,17-16,R/A LF	 TE Part # 213810-1 CPC COUPLING RING SIZE 17
 TE Part # 66262-2 MALE CONTACT ASSY. (L.P.)	 TE Part # 207241-1 CABLE BOOT,SZ 17,CPC	 TE Part # 207387-1 CABLE GRIP,SZ 17,CPC	 TE Part # 66260-2 MALE CONTACT ASSY. (L.P.)
 TE Part # 66259-2 MALE CONTACT ASSY. (L.P.)	 TE Part # 206036-3 RECEPT,SZ 17-16,CPC	 TE Part # 207387-2 CABLE GRIP,SZ 17,CPC	 TE Part # 66740-8 TYPE XII FEMALE CONT (L.P.)
 TE Part # 206036-1 RECEPT,SZ 17-16 CPC	 TE Part # 66261-1 MALE CONTACT ASSY. (L.P.)	 TE Part # 208652-1 SEALING CAP ASSY,SZ 17,CPC	 TE Part # 66741-2 TYPE XII FEMALE CONT (L.P.)

Also in the Series | AMP CPC

 Circular Power Connectors(458)	 Connector Backshells(1)	 Connector Caps & Covers(16)	 Connector Contacts(6)
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Connector Hardware(12)



Connector Seals & Cavity Plugs(36)



Connector Strain Relief(60)



Insertion & Extraction Tools(1)



Sealing Sleeves(2)

Customers Also Bought



TE Part # 206426-1
CPC SERIES 3



TE Part # 206070-8
CABLE CLAMP KIT #17



TE Part # 1-2834238-2
2P REC, IP67 R/A T/H CONN,NATURE



TE Part # 66740-8
TYPE XII FEMALE CONT (L.P.)



TE Part # 66261-1
MALE CONTACT ASSY. (L.P.)



TE Part # 66261-2
MALE CONTACT ASSY. (L.P.)



TE Part # 66740-2
TYPE XII FEMALE CONT (L.P.)



TE Part # 66740-6
TYPE XII FEMALE CONT (L.P.)



TE Part # 66261-5
MALE CONTACT ASSY. (L.P.)

Documents



Product Drawings

CPC PLUG ASSEMBLY SIZE 17-3

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_206037-2_S.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_206037-2_S.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_206037-2_S.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

Engineering Report

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

CSA Certificate

English

CSA Certificate

English