



Connectors > Power Connectors > Circular Power > Circular Power Connectors > Cable/Panel Mount Connector, CPC Series 1



Connector Product Type: **Housing**  
Operating Voltage: **600 VDC**  
Connector System: **Wire-to-Wire**  
Number of Positions: **19**  
Sealable: **No**

[All Cable/Panel Mount Connector, CPC Series 1 \(57\)](#)

Features

Product Type Features

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

Configuration Features

Reverse Numbering	With
Number of Positions	19
Number of Power Positions	0
Number of Signal Positions	19

Electrical Characteristics

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Operating Voltage	600 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	1-3/8 - 18 UNEF-2A
Polarization Code	B
Connector Mounting Type	Panel Mount
Mating Retention	With
Panel Mount Feature	With

Housing Features

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

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal
Shielded	No

Industry Standards

Agency/Standard	VDE
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	1
Packaging Method	Package



Other

Power Connectors Comment	4 Locating Key Arrangement.
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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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

 <p>TE Part # CAT-AM71-C83998B CPC Cable Clamps</p>	 <p>TE Part # 207299-4 FLANGE PLUG</p>	 <p>TE Part # 213852-1 CPC PLUG ASSEMBLY SIZE 23-19</p>	 <p>TE Part # 207055-1 EXTENDER BACK SHELL</p>
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TE Part # 6-2407269-2  
CAP, CPC, SIZE 23 RECP, BLACK



TE Part # 6-2407269-4  
CAP, CPC, SIZE 23 RECP, YELLOW




TE Part # 6-2407269-3  
CAP, CPC, SIZE 23 RECP, RED




TE Part # 6-2407269-1  
CAP, CPC, SIZE 23 RECP, ORANGE

Also in the Series


AMP CPC




Circular Connector Adapters(7)




Circular Connector Hardware(3)




Circular Connector Keying Plugs(2)




Circular Power Connectors(458)




Connector Backshells(56)




Connector Caps & Covers(16)



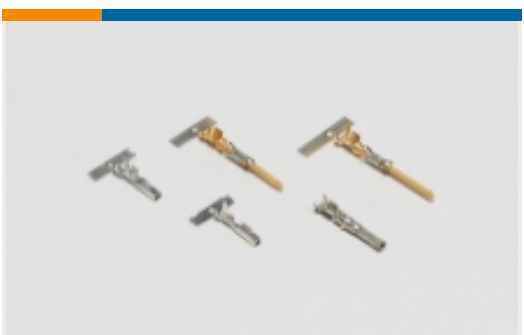
Connector Seals & Cavity Plugs(36)




Connector Strain Relief(6)



Insertion & Extraction Tools(1)




Power Contacts(6)

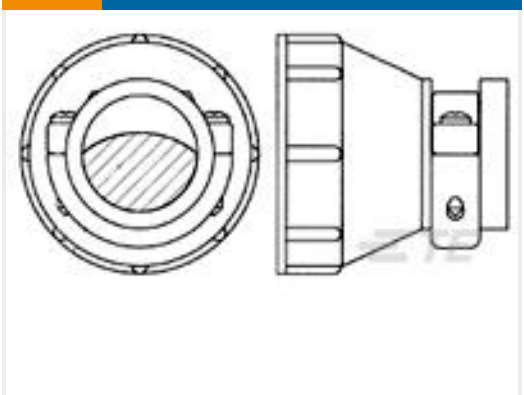


Sealing Sleeves(2)


Customers Also Bought




TE Part #211773-1  
Cable/Panel Mount Connector, CPC Series 1



TE Part #182930-1  
CPC Cable Clamp Kit, Size 23, Large, UV



TE Part #2098252-3  
PIN, SF, SIZE 16, 14-16 AWG, NI/SN



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





Documents

Product Drawings

23-19 RCPT HSG,REV SEX,CPC

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_213868-1\_H.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_213868-1\_H.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_213868-1\_H.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

Application Specification

English

Agency Approvals

UL Report

English