



Connectors > Power Connectors > Circular Power > Circular Power Connectors > CPC Connector Housing, Series 4



Connector Product Type: **Housing**  
Operating Voltage: **600 VDC**  
Connector System: **Wire-to-Wire**  
Number of Positions: **22**  
Sealable: **No**

[All CPC Connector Housing, Series 4 \(8\)](#)

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          | Without |
| Number of Positions        | 22      |
| Number of Power Positions  | 2       |
| Number of Signal Positions | 20      |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 600 VAC |
|-------------------|---------|

Contact Features

|                    |      |
|--------------------|------|
| Reverse Gender     | No   |
| Contact Type       | Pin  |
| Contact Protection | With |



Termination Features

|                                    |       |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

Mechanical Attachment

|                          |                            |
|--------------------------|----------------------------|
| Screw & Hole Thread Size | 1-3/8 - 18 UNEF-2A         |
| Connector Mounting Type  | Cable Mount (Free-Hanging) |
| 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              | PA 6.6 GF |
| Circular Connector Shell Size | 23        |

Dimensions

|                                      |                 |
|--------------------------------------|-----------------|
| Signal Conductor Insulation Diameter | 3.81 mm[.15 in] |
| Power Conductor Insulation Diameter  | 5.59 mm[.22 in] |

Usage Conditions

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

Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
| Shielded            | No             |

Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
| VDE Tested             | No       |

Packaging Features

|                    |          |
|--------------------|----------|
| Packaging Method   | Standard |
| Packaging Quantity | 1        |



Product Compliance

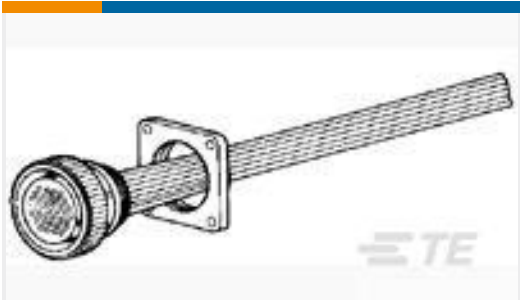
For compliance documentation, visit the product page on TE.com>

|                                               |                                                                                                                                 |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 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: JUNE 2022 (224)<br>Candidate List Declared Against: JUNE 2022 (224)<br>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 # 207299-4  
FLANGE PLUG



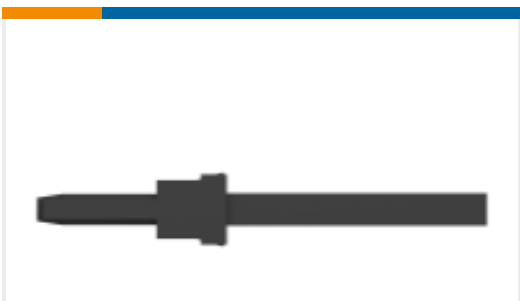
TE Part # CAT-AM71-C83998B  
CPC Cable Clamps



TE Part # 213812-1  
COUPLING RING,SZ 23,CPC



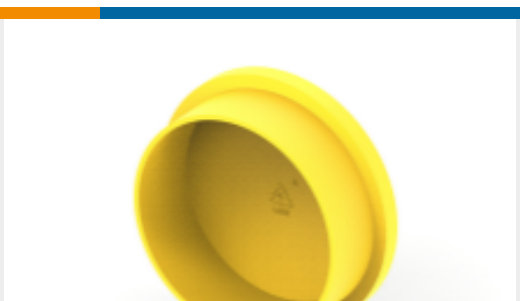
TE Part # 206612-1  
CPC PLUG ASSEMBLY SIZE 23-22



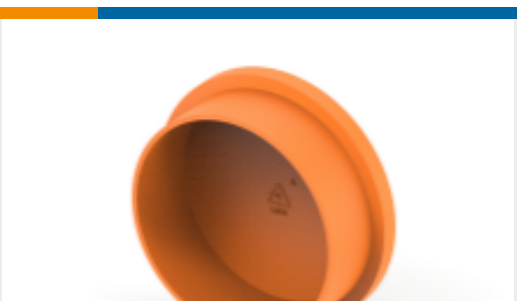
TE Part # 207597-1  
PLUG, TYPE XII KEYING



TE Part # 206612-2  
CPC PLUG ASSEMBLY SIZE 23-22



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



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





TE Part # 6-2407269-2  
CAP, CPC, SIZE 23 RECP, BLACK

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

TE Part # 207055-1  
EXTENDER BACK SHELL

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(467)

Insertion & Extraction Tools(1)

Power Contacts(6)

Sealing Sleeves(2)

Unscreened Circular Connector Backshells & Clamps(56)

Documents

Product Drawings

RECEPT SZ 23,CPC

English

CAD Files

3D PDF

3D

Customer View Model



[ENG\\_CVM\\_CVM\\_206613-3\\_AN.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_206613-3\\_AN.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_206613-3\\_AN.3d\\_stp.zip](#)

English

[3D PDF](#)

3D

[3D PDF](#)

English

Customer View Model

[ENG\\_CVM\\_206613-3\\_P1.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_206613-3\\_P1.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_206613-3\\_P1.3d\\_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

[Connector, Circular Plastic](#)

English

[Product Specification](#)

English

Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English

Instruction Sheets

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

English

Agency Approvals

[CSA Certificate](#)

English

