

213581-1 ✓ ACTIVE

AMP | AMP CPC

TE Internal #: 213581-1

Circular Power Connectors, Housing, 600 VDC, Wire-to-Panel, 3 Position, Wire & Cable, Receptacle, Pin, Power, Black, All Plastic, PA 6.6 GF, AMP CPC

[View on TE.com >](#)



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



Connector Product Type: **Housing**

Operating Voltage: **600 VDC**

Connector System: **Wire-to-Panel**

Number of Positions: **3**

Sealable: **No**

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

## Features

### Product Type Features

Connector Product Type	Housing
Connector System	Wire-to-Panel
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	3
Number of Power Positions	3
Number of Signal Positions	0

### Electrical Characteristics



Operating Voltage	600 VAC
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### Contact Features

Reverse Gender	No
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Contact Type	Pin
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Contact Current Rating (Max)	34 A
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Contact Protection	With
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### Termination Features

Termination Method to Wire & Cable	Crimp
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### Mechanical Attachment

Panel Mount Feature Type	Flange with Threaded Inserts
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Screw & Hole Thread Size	15/16-20 UNEF-2B
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Connector Mounting Type	Panel Mount
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Mating Alignment	With
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Mating Retention	With
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Panel Mount Feature	Without
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Mating Alignment Type	Keyed
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Mating Retention Type	Threaded Coupling
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### Housing Features

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

Accepts Wire Insulation Diameter Range	5.59 mm [.22 in]
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### Usage Conditions

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

Circuit Application	Power
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Shielded	No
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### Industry Standards

UL Flammability Rating	UL 94V-0
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VDE Tested	No
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### Packaging Features

Packaging Method	Standard
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Packaging Quantity	100
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### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
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EU ELV Directive 2000/53/EC	Compliant with Exemptions
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	<p>Current ECHA Candidate List: JUNE 2022 (224)  Candidate List Declared Against: JUL 2021 (219)  SVHC &gt; Threshold:  Pb (3.7% in Component)</p>
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**Article Safe Usage Statements:**

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

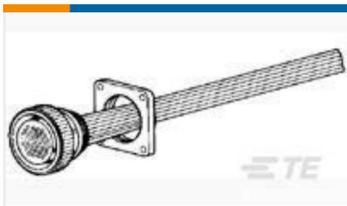
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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Solder Process Capability	Not applicable for solder process capability
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#### Product Compliance Disclaimer

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 # 207299-3  
FLANGE PLUG MOUNT CPC



TE Part # 206037-2  
CPC PLUG ASSEMBLY SIZE 17-3



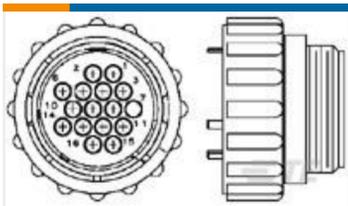
TE Part # 206037-1  
CPC PLUG ASSEMBLY SIZE 17-16



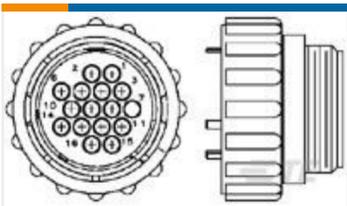
TE Part # CAT-AM71-C83998B  
CPC Cable Clamps



TE Part # 213810-1  
CPC COUPLING RING SIZE 17



TE Part # 206037-3  
CPC PLUG ASSEMBLY SZ 17-16



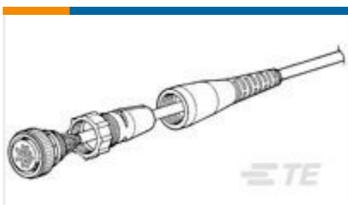
TE Part # 206037-4  
CPC PLUG ASSEMBLY SZ 17-16



TE Part # 207241-1  
CABLE BOOT, SZ 17, CPC



TE Part # 207387-1  
CABLE GRIP, SZ 17, CPC



TE Part # 207387-2  
CABLE GRIP, SZ 17, CPC



TE Part # 207597-1  
PLUG, TYPE XII KEYING



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



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



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



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

## Also in the Series | AMP CPC



Circular Connector Adapters(7)



Circular Connector Boots & Strain Relief(6)



Circular Connector Caps & Covers(16)



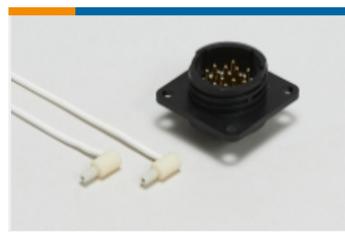
Circular Connector Hardware(3)



Circular Connector Keying Plugs(2)



Circular Connector Seals(36)



Circular Power Connectors(467)



Insertion &amp; Extraction Tools(1)



Power Contacts(6)



Sealing Sleeves(2)



Unscreened Circular Connector Backshells &amp; Clamps(56)

## Documents

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_213581-1\\_D.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_213581-1\\_D.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_213581-1\\_D.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 Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English