



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: **7**
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	Receptacle
Circular Connector Shell Type	All Plastic

Configuration Features

Reverse Numbering	Without
Number of Positions	7
Number of Power Positions	7
Number of Signal Positions	0

Electrical Characteristics

--	--



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

Contact Features

Reverse Gender	No
Contact Type	Pin
Contact Current Rating (Max)	32 A
Contact Protection	With

Termination Features

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

Mechanical Attachment

Panel Mount Feature Type	Flange
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	With
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

Accepts Wire Insulation Diameter Range	5.59 mm[.22 in]
--	-----------------

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
------------------------	----------



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) Candidate List Declared Against: JUNE 2022 (224) 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

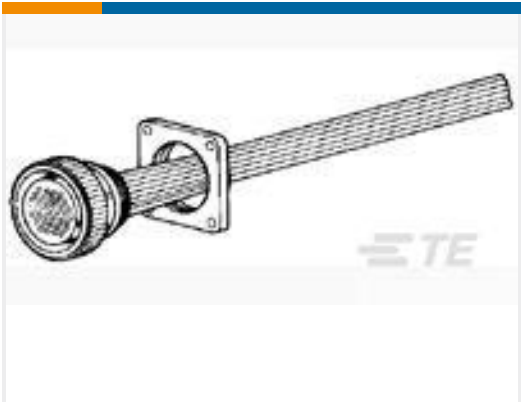
Product Compliance Disclaimer

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 # 206136-1
CPC PLUG ASSEMBLY SIZE 23-7



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 # 7-1579008-6 UNLOCKING TOOL	 TE Part # 207597-1 PLUG, TYPE XII KEYING	 TE Part # 206136-3 CPC PLUG ASSEMBLY SIZE 23-7	 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 # 6-2407269-4 CAP, CPC, SIZE 23 RECP, YELLOW	 TE Part # 207055-1 EXTENDER BACK SHELL

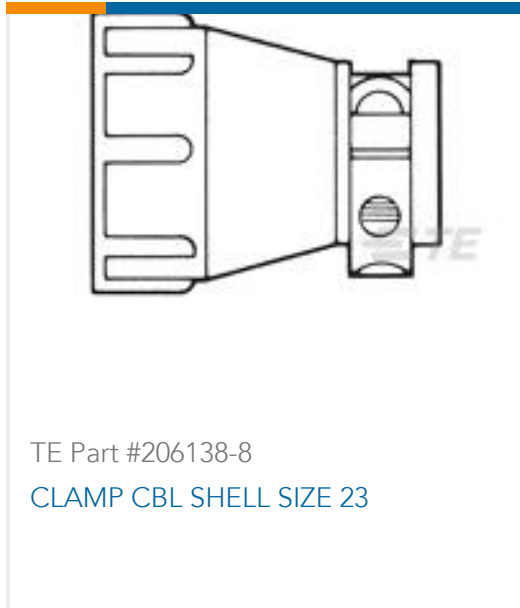
Also in the Series

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)	

Customers Also Bought



 TE Part #207486-2 RECEPT,SZ 23-16,CPC	 TE Part #208483-1 CMC RECEPTACLE ASSY,SIZE 28	 TE Part #206138-8 CLAMP CBL SHELL SIZE 23	 TE Part #66741-2 TYPE XII FEMALE CONT (L.P.)
 TE Part #66259-4 MALE CONTACT ASSY. (L.P.)	 TE Part #66261-5 MALE CONTACT ASSY. (L.P.)	 TE Part #66255-2 MALE CONTACT ASSY. (STRIP)	 TE Part #66098-6 III+ PIN,18-16,30AU>10,STRIP
 TE Part #1776313-6 TSB200006DS=EUROPA T-BL,14.5MM	 TE Part #2844990-1 KIT,BTLI,C HEAD		

Documents

Product Drawings
23-7 FREE HANGING RECEPT

English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_206137-2_AE.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_206137-2_AE.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_206137-2_AE.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

TE Material Declaration

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

CSA Certificate

English