



Connectors > Circular Connectors > Standard Circular Connectors



Connector System: **Cable-to-Cable**

Connector Mounting Type: **Cable Mount (Free-Hanging)**

Number of Positions: **8**

Sealable: **No**

Circuit Application: **Power & Signal**

Features

Product Type Features

Product Type	Housing Assembly
Connector System	Cable-to-Cable
Sealable	No
Circular Connector Type	Plug
Shell Type	Metal

Configuration Features

Number of Positions	8
Number of Power Positions	4
Number of Signal Positions	4
Contacts Preloaded	No

Electrical Characteristics

Operating Voltage	250 VAC, 630 VAC
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Body Features

Environmental Protection Type	Sealed
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Environmental Protection	IP67
Shell Plating Material	Electrodeposited Nickel
Shell Base Material	Zinc Alloy
Circular Connector Insulation Material Type	PBT GF

Mechanical Attachment

Mating Retention Type	Speedtec (Triple Start Threaded)
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)
Mating Retention	With

Housing Features

Circular Connector Shell Size	23
Alignment Keyed	0°

Dimensions

Cable Diameter Range	9.5 – 14.5 mm[.37 – .57 in]
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Usage Conditions

IP Water Sealing Level	IP67
Operating Temperature Range	-20 – 130 °C[-4 – 266 °F]

Operation/Application

Durability Rating	500 Cycles
Circuit Application	Power & Signal
Shielded	Yes

Industry Standards

UL Flammability Rating	UL 94V-0
Compatible With Approved Standards Products	UL

Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241)



Candidate List Declared Against: JUNE 2024 (241)
SVHC > Threshold:
Pb (3.5% in Component)

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	Not Yet Reviewed for halogen content
Solder Process Capability	Not reviewed 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 # BGA110N00001116000 923 RECEPTACLE, ANGLED, ROTATABLE	 TE Part # BGC110N00001116000 923 RECEPTACLE, ANGLED, ROTATABLE	 TE Part # BEA120N00000100000 923 RECEPTACLE, SPEEDTEC	 TE Part # BEA121N00000100000 923 RECEPTACLE, SPEEDTEC
 TE Part # BKA199N00420100000 923 EXTENSION, SPEEDTEC	 TE Part # C0-0003-000-000 POSITIONING INSERT FOR 1 MM CONTACTS	 TE Part # C0-0004-000-000 POSITIONING INSERT FOR 2 MM CONTACTS	 TE Part # C0-0235-000-P00 DIGITAL CRIMPING TOOL, SMALL



TE Part # C0-0101-000-P00
CRIMPING TOOL SMALL WITH
POSITIONER

TE Part # C0-0201-000-P00
CRIMPING TOOL MID-SIZE

TE Part # C0-0236-000-P00
DIGITAL CRIMPING TOOL, MID SIZE

Customers Also Bought

TE Part #ASA021N00410100000
623 PLUG, SPEEDTEC

TE Part #ASA035N00400100000
623 PLUG, SPEEDTEC

TE Part #ASA035N00410235000
623 PLUG

TE Part #BSA078N00590100000
923 PLUG, SPEEDTEC

TE Part #BSA108N00420236000
923 PLUG, SHORT

TE Part #CSA264N00450020000
940 PLUG, SPEEDTEC

TE Part #CSA263F52440001000
940 PLUG

TE Part #CSA263F52440020000
940 PLUG, SPEEDTEC

TE Part #CSA264F48440001000
940 PLUG

TE Part #CSA264F48440020000
940 PLUG, SPEEDTEC

Documents

Product Drawings

923 PLUG, SPEEDTEC

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_BSA078N00420100000_A.2d_dxf.zip

BSTA078NN00420100000

Cable-to-Cable, 8 Position, Power & Signal, Cable Mount (Free-Hanging),
Electrodeposited Nickel, Zinc Alloy, PBT GF, Standard Circular Connectors



English

Customer View Model

[ENG_CVM_CVM_BSA078N00420100000_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_BSA078N00420100000_A.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[BSA078N00420100000](#)

English

[fuer Datenblaetter, die online konfigurierbar sind](#)

German

Product Specifications

German