



TE Internal #: BSA085N00480235000

Standard Circular Connectors, Cable-to-Cable, Power, Cable Mount (Free-Hanging), Electrodeposited Nickel, Zinc Alloy, PBT GF, Size 23, Shielded, Plug

[View on TE.com >](#)

Connectors > Circular Connectors > Standard Circular Connectors



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

Sealable: **No**

Circuit Application: **Power**

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

Shell Plating Material: **Electrodeposited Nickel**

Features

Product Type Features

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

Electrical Characteristics

| | |
|-------------------|---------|
| Operating Voltage | 630 VAC |
|-------------------|---------|

Body Features

| | |
|---|-------------------------|
| 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 | Screw |
|-----------------------|-------|



Connector Mounting Type

Cable Mount (Free-Hanging)

Housing Features

| | |
|-------------------------------|----|
| Circular Connector Shell Size | 23 |
| Alignment Keyed | 0° |

Dimensions

| | |
|----------------------|---------------------------|
| Cable Diameter Range | 7.5 – 12 mm[.29 – .47 in] |
|----------------------|---------------------------|

Usage Conditions

| | |
|-----------------------------|---------------------------|
| Operating Temperature Range | -20 – 130 °C[-4 – 266 °F] |
|-----------------------------|---------------------------|

Operation/Application

| | |
|---------------------|------------|
| Durability Rating | 500 Cycles |
| Circuit Application | Power |
| Shielded | Yes |

Industry Standards

| | |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
| Approved Standards | 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 2023 (235) Candidate List Declared Against: JUNE 2022 (224) 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

| | | | |
|--|--|--|--|
|  <p>TE Part # BGA106N00001216000 923 RECEPTACLE, ANGLED, ROTATABLE</p> |  <p>TE Part # BGC106N00001200000 923 RECEPTACLE, ANGLED, ROTATABLE</p> |  <p>TE Part # BGC106N00001215000 923 RECEPTACLE, ANGLED, ROTATABLE</p> |  <p>TE Part # BGC106N00001216000 923 RECEPTACLE, ANGLED, ROTATABLE</p> |
|  <p>TE Part # BEA088N00000222000 923 RECEPTACLE, SPEEDTEC-READY</p> |  <p>TE Part # BEA116N00000200000 923 RECEPTACLE, SPEEDTEC-READY</p> |  <p>TE Part # BEA127N00000205000 923 RECEPTACLE, SPEEDTEC-READY</p> |  <p>TE Part # BFC106N00000207000 923 RECEPTACLE, ANGLED</p> |
|  <p>TE Part # BKA186N00480200000 923 EXTENSION, SPEEDTEC-READY</p> |  <p>TE Part # C0-0004-000-000 POSITIONING INSERT FOR 2 MM CONTACTS</p> |  <p>TE Part # C0-0201-000-000 CRIMPING TOOL MID-SIZE</p> |  <p>TE Part # C0-0236-000-000 DIGITAL CRIMPING TOOL, MID SIZE</p> |

Customers Also Bought

| | | | |
|---|--|---|---|
|  <p>TE Part #60-0225-011-000 CONTACT SOCKET 3,6 MM</p> |  <p>TE Part #60-0254-011-000 CONTACT SOCKET 2 MM</p> |  <p>TE Part #ASA035N00620235000 623 PLUG</p> |  <p>TE Part #BEA116N00000200000 923 RECEPTACLE, SPEEDTEC-READY</p> |
|---|--|---|---|





TE Part #BKA186N00480200000
923 EXTENSION, SPEEDTEC-READY



TE Part #BSA078N00420235000
923 PLUG



TE Part #BSA108N00420236000
923 PLUG, SHORT



TE Part #CKA267N00450051000
940 EXTENSION, SPEEDTEC-READY



TE Part #CSA263N00450001000
940 PLUG



TE Part #A2-0043-001-000
923 CLAMPING RING ADAPTER

Documents

Product Drawings

923 PLUG

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_BSA085N00480235000_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_BSA085N00480235000_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_BSA085N00480235000_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

fuer Datenblaetter, die online konfigurierbar sind

German

BSA085N00480235000

English

Product Specifications

German