



TE Internal #: AKA002N00480550000

Standard Circular Connectors, Cable-to-Cable, Signal, Cable Mount (Free-Hanging), Electrodeposited Nickel, Zinc Alloy, Polyamide, Size 23, Shielded

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Connectors > Circular Connectors > Standard Circular Connectors



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

Sealable: **No**

Circuit Application: **Signal**

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 |
| Shell Type | Metal |

Electrical Characteristics

| | |
|-------------------|---------|
| Operating Voltage | 125 VAC |
|-------------------|---------|

Body Features

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|---|-------------------------|
| Environmental Protection | IP67 |
| Shell Plating Material | Electrodeposited Nickel |
| Shell Base Material | Zinc Alloy |
| Circular Connector Insulation Material Type | Polyamide |

Mechanical Attachment

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



Housing Features

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|-------------------------------|----|
| Circular Connector Shell Size | 23 |
|-------------------------------|----|

Dimensions

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

Usage Conditions

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

Operation/Application

| | |
|-------------------|------------|
| Durability Rating | 500 Cycles |
|-------------------|------------|

| | |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

| | |
|----------|-----|
| Shielded | Yes |
|----------|-----|

Industry Standards

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|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

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|--------------------|----|
| 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 | Compliant with Exemptions |
|-----------------------------|---------------------------|

| | |
|---|--------------------------------------|
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold |
|---|--------------------------------------|

| | |
|--|---|
| EU REACH Regulation (EC) No. 1907/2006 | <p>Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JAN 2023 (233) SVHC > Threshold: Pb (3.5% in Component Part)</p> <p>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.</p> |
|--|---|

| | |
|-----------------|--------------------------------------|
| 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 # ASA001N00480650000
623 PLUG

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

TE Part # C0-0235-000-000
DIGITAL CRIMPING TOOL, SMALL

Customers Also Bought



TE Part #AGC113N00001215000
623 RECEPTACLE ANGLED ROTATABLE



TE Part #ASA000N00600235000
623 PLUG



TE Part #ASA001N00480650000
623 PLUG



TE Part #BGC106N00001216000
923 RECEPTACLE, ANGLED, ROTATABLE



TE Part #BGC110M11001100000
923 RECEPTACLE, ANGLED, ROTATABLE



TE Part #BSA085N00580100000
923 PLUG, SPEEDTEC



TE Part #ESB002N00320001000
615 PLUG



TE Part #CSA263N00250020000
940 PLUG, SPEEDTEC

TE Part #EGA101M11000002000
615/915 YTEC RECEPTACLE, ANGLED

TE Part #PKA002M0685050A000
917 SINGLETEC EXTENSION

Documents

CAD Files

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_AKA002N00480550000_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_AKA002N00480550000_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_AKA002N00480550000_A.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

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

German

[AKA002N00480550000](#)

English

Product Specifications

German