



TE Internal #: AKA020N00590038000  
Cable-to-Cable, Signal, Cable Mount (Free-Hanging),  
Electrodeposited Nickel, Zinc Alloy, PBT, 23 Shell Size, Shielded,  
Uncoded Alignment Keyed, Metal  
[View on TE.com >](#)

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

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

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 160 VDC |
|-------------------|---------|

Body Features

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

Mechanical Attachment

|                         |                            |
|-------------------------|----------------------------|
| Mating Retention Type   | Screw                      |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

Housing Features

|                               |         |
|-------------------------------|---------|
| Circular Connector Shell Size | 23      |
| Alignment Keyed               | Uncoded |

Dimensions

|                      |                          |
|----------------------|--------------------------|
| Cable Diameter Range | 14 – 17 mm[.55 – .67 in] |
|----------------------|--------------------------|

Usage Conditions

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

Operation/Application

|                     |            |
|---------------------|------------|
| Durability Rating   | 500 Cycles |
| Circuit Application | 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                   | Compliant with Exemptions  |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold   |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JAN 2025 (247)<br>Candidate List Declared Against: JUNE 2024 (241)<br>SVHC > Threshold:<br>Pb (3.5% in Component)<br><b>Article Safe Usage Statements:</b><br>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 # C0-0235-000-P00  
DIGITAL CRIMPING TOOL, SMALL




TE Part # C0-0003-000-000  
POSITIONING INSERT FOR 1 MM CONTACTS

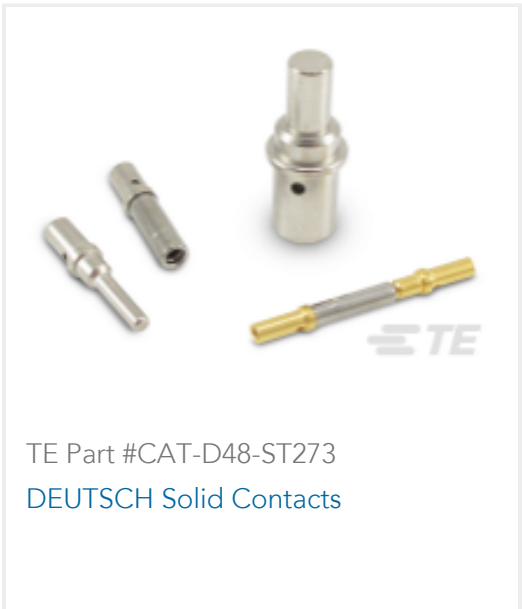


TE Part # C0-0201-000-P00  
CRIMPING TOOL MID-SIZE


Customers Also Bought




TE Part #114017-ZZ  
SEALING PLUG, SIZE 12/16, WHT




TE Part #CAT-D48-ST273  
DEUTSCH Solid Contacts




TE Part #CAT-D487-W416  
Wedgelocks: DEUTSCH DT




TE Part #DT06-2S  
PLG, 2P, GRY, N



TE Part #DT04-2P  
REC, 2P, GRY, N



TE Part #CAT-AM71-CH8172  
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING



TE Part #281934-2  
SINGLE WIRE SEAL

Documents

- CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_AKA020N00590038000\\_A.2d\\_dxf.zip](#)

English
- Customer View Model

[ENG\\_CVM\\_CVM\\_AKA020N00590038000\\_A.3d\\_igs.zip](#)

English



Customer View Model

[ENG\\_CVM\\_CVM\\_AKA020N00590038000\\_A.3d\\_stp.zip](#)

English

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

Datasheets & Catalog Pages

[Y6-E957-000-000](#)

English

Product Specifications

German