



TE Internal #: AKA020N00090200000

Standard Circular Connectors, Cable-to-Cable, 12 Position, Signal, Cable Mount (Free-Hanging), Electrodeposited Nickel, Zinc Alloy, PBT GF

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Connectors > Circular Connectors > Standard Circular Connectors



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

Number of Positions: **12**

Sealable: **No**

Circuit Application: **Signal**

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

Features

Product Type Features

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

Configuration Features

Number of Positions	12
Number of Signal Positions	12

Electrical Characteristics

Operating Voltage	160 VAC
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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
Panel Mount Feature Type	Screw Mount
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Circular Connector Shell Size	23
Alignment Keyed	Uncoded

Dimensions

Cable Diameter Range	3.5 – 5.6 mm [.14 – .22 in]
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Usage Conditions

Operating Temperature Range	-20 – 130 °C [-4 – 266 °F]
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Operation/Application

Durability Rating	500 Cycles
Circuit Application	Signal
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	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: 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



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 #60-0003-011-000
CONTACT SOCKET 2 MM



TE Part #61-0083-011-000
CONTACT PIN 1 MM



TE Part #61-0195-011-000
CONTACT PIN 3.6 MM



TE Part #61-0232-011-000
CONTACT PIN 1 MM



TE Part #AGC052N00001215000
623 RECEPTACLE ANGLED ROTATABLE



TE Part #AGC113N00001215000
623 RECEPTACLE ANGLED ROTATABLE



TE Part #ASA046N0085050A000
617 PLUG, SPEEDTEC



TE Part #BGC110N00001216000
923 RECEPTACLE, ANGLED, ROTATABLE



Documents

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_AKA020N00090200000_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_AKA020N00090200000_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_AKA020N00090200000_A.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

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

German

[AKA020N00090200000](#)

English

Product Specifications

German