



Connectors > Circular Connectors > Standard Circular Connectors



Connector System: **Wire-to-Device**

Number of Positions: **6**

Sealable: **Yes**

Connector & Contact Terminates To: **Wire & Cable**

Contact Current Rating (Max): **7.5 A**

Features

Product Type Features

Product Type	Connector
Accessory Color	Natural
Prewired	No
Assembly Type	Electrical Connector
Connector System	Wire-to-Device
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Plug
Shell Type	Plug

Configuration Features

Factory Installed Backshell	Without
Keying	Keyway Polarization 7
Number of Positions	6
Number of Power Positions	0
Number of Signal Positions	6
Contacts Preloaded	No

Body Features

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Shell Plating Material	Passivated Stainless Steel Firewall
Shell Base Material	Stainless Steel
Circular Connector Insulation Material Type	Thermoset
Hermetically Sealed	No

Contact Features

Contact Current Rating (Max)	7.5 A
Reverse Gender	No
Contact Layout Arrangement	10 – 6
Circular Connector Contact Type	Socket

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Mating Retention Type	Threaded
Mating Alignment	With
Mating Alignment Type	Keyed
Mating Retention	With

Housing Features

Circular Connector Shell Size	10
Alignment Keyed	Clocking

Dimensions

Wire Size	.2 – .52 mm²
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Usage Conditions

Operating Temperature Range	-65 – 200 °C[-85 – 392 °F]
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Operation/Application

Durability Rating	500 Cycles
Circuit Application	Power, Signal & Data
Shielded	Yes

Industry Standards

Approved Standards	BACC63, EN2997, ESC10
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Product Compliance

For compliance documentation, visit the product page on [TE.com](#)>

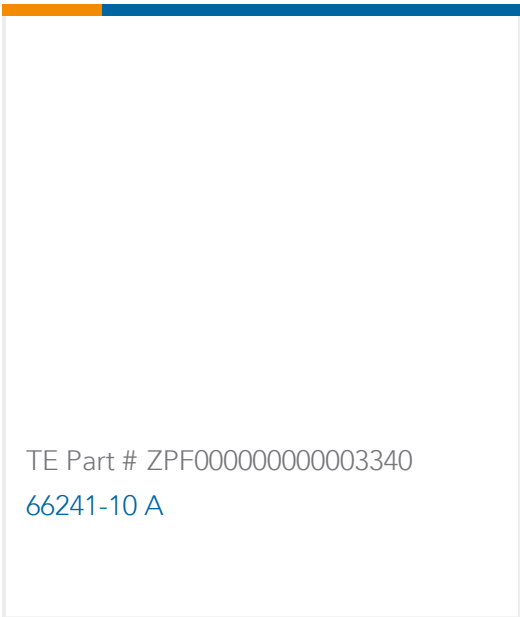


EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Out of Scope
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) SVHC > Threshold: Pb (1.2% in alloy) 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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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



Also in the Series | [DEUTSCH 983 Series](#)



Standard Circular Connectors(3627)

Customers Also Bought

TE Part #4554650001

TMS-SCE MILITARY GRADE SLEEVES

TE Part #181270-2

MOD II CONTACT L.P.

TE Part #1614932-1

CPF0805 430R 0.1% 25PPM 1K RL

TE Part #4-2176345-0

CRGCQ 1210 18K 1%

TE Part #36490

SPLICE, SOLIS PARA SPEC 22-14

TE Part #151191-000

B-023-07

TE Part #323754

SPLICE, SOLIS PARA HR 12-10

TE Part #383824-000

44A1131-20-3/6/9-9

TE Part #ZPF000000000019565

FDBA 56-20-41 SN-K-A499

TE Part #1676232-1

RN 0805 1K43 0.1% 10PPM CUT LENGTH

Documents

Product Drawings

983-6S 10-06 S7

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_ZPF000000000008562_1.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_ZPF000000000008562_1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_ZPF000000000008562_1.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[DEUTSCH 983 Series](#)

English