



**DEUTSCH | DEUTSCH 983 Series**

TE Internal #: ZPF000000000008577

DEUTSCH 983 Series, Standard Circular Connectors, Wire-to-Device, 3 Position, Sealable, Wire & Cable, 13A Contact Current Rating (Max)

[View on TE.com >](#)

Connectors > Circular Connectors > Standard Circular Connectors



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

Number of Positions: **3**

Sealable: **Yes**

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

Contact Current Rating (Max): **13 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 N
Number of Positions	3
Number of Power Positions	0
Number of Signal Positions	3
Contacts Preloaded	No

**Body Features**

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

Contact Current Rating (Max)	13 A
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Reverse Gender	No
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Contact Layout Arrangement	12 – 3
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Circular Connector Contact Type	Socket
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### Termination Features

Termination Method to Wire & Cable	Crimp
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### Mechanical Attachment

Mating Retention Type	Threaded
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Mating Alignment	With
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Mating Alignment Type	Keyed
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Mating Retention	With
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### Housing Features

Circular Connector Shell Size	12
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Alignment Keyed	Clocking
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### Dimensions

Wire Size	.52 – 1.31 mm <sup>2</sup>
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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
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Circuit Application	Power, Signal & Data
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Shielded	Yes
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### Industry Standards

Approved Standards	BACC63, EN2997, ESC10
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### Product Compliance

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

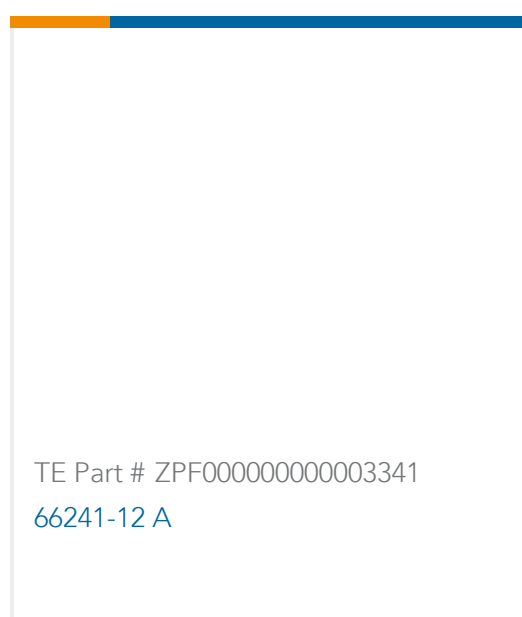


EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Out of Scope
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) SVHC > Threshold: Pb (1.2% in alloy) <b>Article Safe Usage Statements:</b> 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 #307569-000  
202W302-12-0



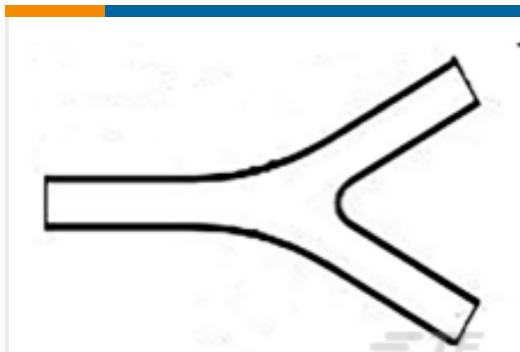
TE Part #1-1614351-9  
RN 0603 1K0 0.1% 10PPM CUT LEN



TE Part #2176392-5  
RQ 1206 147K 0.1% 10PPM 5K RL



TE Part #114860-000  
Heat Shrink Boots: Poly Mold, Lipped



TE Part #191166-000  
381A302-125-01-0



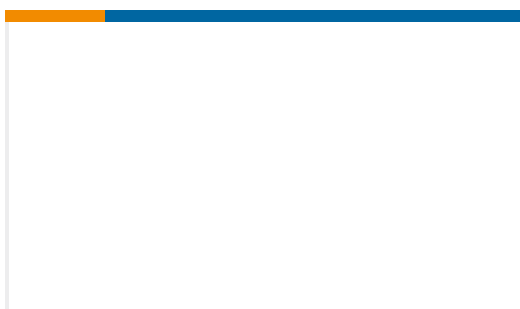
TE Part #1-1462051-6  
Signal Relays: SMT, PCB mount, 2 amp



TE Part #358279-000  
382C312-50-01-0



TE Part #ZPF000000000017866  
FAST-E 01 F-X-B 00 B



TE Part #1616009-1  
BP353 =OVERALL

## Documents

### Product Drawings

[983-6S 12-03 SN](#)

English

### CAD Files

[3D PDF](#)

3D

### Customer View Model

[ENG\\_CVM\\_CVM\\_ZPF000000000008577\\_1.2d\\_dxf.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_ZPF000000000008577\\_1.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_ZPF000000000008577\\_1.3d\\_stp.zip](#)

English

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

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## Datasheets & Catalog Pages

[DEUTSCH 983 Series](#)

English