



DEUTSCH | DEUTSCH 983 Series

TE Internal #: ZPF000000000007970

DEUTSCH 983 Series, Standard Circular Connectors, Wire-to-Panel, 3 Position, Sealable, Wire & Cable, 7.5A Contact Current Rating (Max)

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Connectors > Circular Connectors > Standard Circular Connectors



Connector System: **Wire-to-Panel**

Number of Positions: **3**

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-Panel
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Receptacle
Shell Type	Square Flange Receptacle

#### Configuration Features

Factory Installed Backshell	With
Keying	Keyway Polarization 6
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
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	8 – 3
Circular Connector Contact Type	Less Socket

### Termination Features

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

Mating Retention Type	Threaded
Mating Alignment	With
Panel Mount Feature	With
Panel Mount Feature Type	Square Flange
Connector Mounting Type	Panel Mount
Mating Alignment Type	Keyed
Mating Retention	With

### Housing Features

Circular Connector Shell Size	08
Alignment Keyed	Clocking

### Dimensions

Wire Size	20 – 24 AWG
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### Usage Conditions

Operating Temperature Range	-65 – 260 °C[-85 – 500 °F]
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### Operation/Application

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

### Industry Standards

Approved Standards	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
EU ELV Directive 2000/53/EC	Out of Scope
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUN 2020 (209) Candidate List Declared Against: JAN 2020 (205) Does not contain REACH SVHC
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

## Compatible Parts



Also in the Series | **DEUTSCH 983 Series**



Standard Circular Connectors(3406)

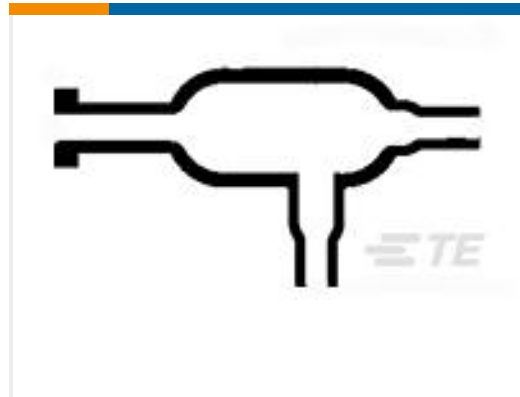
## Customers Also Bought



TE Model / Part #486635-000  
222K152-25-G13-0



TE Model / Part #ZPF000000000008179  
983-6K 28-42 P7 L



TE Model / Part #013996-000  
322W205-25-0



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



TE Model / Part #ZPF000000000001263  
097-0267-20



TE Model / Part #ZPF000000000001259  
097-0266-20



TE Model / Part #ZPF000000000001224  
097-0104-16



TE Model / Part #620080N004  
D-108-12CS948



TE Model / Part #ZPF0000000000017171  
DTS 26 K 25-04 BA



TE Model / Part #ZPF9000000000008639  
983-6S 18-08 PN-L-A1263

## Documents

[CAD Files](#)

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_ZPF000000000007970\\_1.2d\\_dxf.zip](#)

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English

**Customer View Model**

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**Datasheets & Catalog Pages**

[DEUTSCH 983 Series](#)

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