

983-OWS 20-28 SN-L

✓ ACTIVE

DEUTSCH | DEUTSCH 983 Series

TE Internal #: ZPF000000000007798

28 Position Circular Connector, Wire-to-Panel, Sealable, Wire & Cable, Power, Signal & High Speed Data, Panel Mount, Cadmium, DEUTSCH 983 Series

[View on TE.com >](#)



Connectors > Circular Connectors > Standard Circular Connectors



Number of Positions: 28

Connector System: Wire-to-Panel

Sealable: Yes

Connector & Contact Terminates To: Wire & Cable

Contact Current Rating (Max): 7.5 A, 23 A

Features

Termination Features

Termination Method to Wire & Cable	Crimp
------------------------------------	-------

Industry Standards

Compatible With Approved Standards Products	EN2997
---	--------

Body Features

Primary Product Color	Green
Shell Plating Material	Cadmium
Shell Base Material	Aluminum
Circular Connector Insulation Material Type	Thermoset
Hermetically Sealed	No

Mechanical Attachment

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



Mating Retention	With
Operation/Application	
Durability Rating	500 Cycles
Circuit Application	Power, Signal & High Speed Data
Shielded	Yes
Product Type Features	
Assembly Type	Electrical Connector
Prewired	No
Connector Product Type	Connector Assembly
Connector System	Wire-to-Panel
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Receptacle
Shell Type	Square Flange
Configuration Features	
Factory Installed Backshell	Without
Number of Positions	28
Number of Power Positions	0
Number of Signal Positions	28
Contacts Preloaded	No
Contact Features	
Contact Current Rating (Max)	7.5 A, 23 A
Reverse Gender	No
Contact Layout Arrangement	20 – 28
Circular Connector Contact Type	Less Socket
Housing Features	
Circular Connector Shell Size	20
Alignment Keyed	Clocking
Dimensions	
Wire Size	20 – 24 AWG
Usage Conditions	
Operating Temperature Range	-65 – 175 °C[-85 – 347 °F]



Other

EU RoHS Compliance	Not Compliant
--------------------	---------------

Product Compliance


For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Not Compliant
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: JUNE 2024 (241) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold: Cd (2% in plating) Article Safe Usage Statements: Use personal protective equipment as required. Do not eat, drink or smoke when using this product. 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



TE Part # ZPF000000000000345
[006-0912-20 A](#)

TE Part # ZPF000000000021206
[006-0910-20 A838](#)

TE Part # ZPF000000000000219
[006-0902-20](#)



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



[Standard Circular Connectors\(2833\)](#)

Customers Also Bought

TE Part #ZPF000000000001650

[117-8018-08](#)

TE Part #ZPF000000000100835

[320-237-101-0](#)

TE Part #ZPF000000000004264

[768-0285-07 R](#)

TE Part #ZPF000000000004279

[768-0288-02 R](#)

TE Part #ZPF0000000000099787

[768-0349-08 N](#)

TE Part #ZPF000000000202871

[781-8037-03](#)

TE Part #ZPF000000000207495

[983-6SF 10-05 SN-L](#)

TE Part #ZPF000000000207493

[983-7SF 08-03 PN-L](#)

TE Part #ZPF100000000008119

[983-6K 14-15 SN-L](#)

TE Part #ZPF100000000009127

[983-7S 10-05 SN-L](#)

Documents

Product Drawings
983-OWS 20-28 SN-L

English

CAD Files
3D PDF

3D



Customer View Model

[ENG_CVM_CVM_ZPF000000000007798_1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_ZPF000000000007798_1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_ZPF000000000007798_1.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[DEUTSCH 983 Series](#)

English