

983-OWS 22-12 PN-L

✓ ACTIVE

DEUTSCH | DEUTSCH 983 Series

TE Internal #: ZPF000000000007801

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

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Connectors > Circular Connectors > Standard Circular Connectors



Connector System: **Wire-to-Panel**
Connector Mounting Type: **Panel Mount**
Number of Positions: **12**
Sealable: **Yes**
Connector & Contact Terminates To: **Wire & Cable**

Features

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	12
Number of Power Positions	0
Number of Signal Positions	12
Contacts Preloaded	No

Body Features

Primary Product Color	Green
Shell Plating Material	Cadmium



Shell Base Material	Aluminum
Circular Connector Insulation Material Type	Thermoset
Hermetically Sealed	No

Contact Features

Contact Current Rating (Max)	23 A
Reverse Gender	No
Contact Layout Arrangement	22 – 12
Circular Connector Contact Type	Less Pin

Termination Features

Termination Method to Wire & Cable	Crimp
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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

Housing Features

Circular Connector Shell Size	22
Alignment Keyed	Clocking

Dimensions

Wire Size	12 – 16 AWG
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Usage Conditions

Operating Temperature Range	-65 – 175 °C[-85 – 347 °F]
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Operation/Application

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

Industry Standards

Compatible With Approved Standards Products	EN2997
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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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Cd (2% in plating) Dodecamethylcyclohexasiloxane (D6) (1% in component) Decamethylcyclopentasiloxane (D5) (1% in component) Octamethylcyclotetrasiloxane (D4) (1% in component) Article Safe Usage Statements: Use personal protective equipment as required. 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



TE Part # ZPF0000000000021209
[006-0910-22 A838](#)

TE Part # ZPF0000000000000358
[006-0937-12 A](#)

TE Part # ZPF0000000000000217
[006-0902-12](#)

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

[Standard Circular Connectors\(2787\)](#)

Customers Also Bought

TE Part #CAT-D48-ST273
[DEUTSCH Solid Contacts](#)

TE Part #DT06-2S
[PLG, 2P, GRY, N](#)

TE Part #DT04-2P
[REC, 2P, GRY, N](#)

TE Part #CAT-D487-W416
[Wedgelocks: DEUTSCH DT](#)

TE Part #114017-ZZ
[SEALING PLUG, SIZE 12/16, WHT](#)

TE Part #281934-2
[SINGLE WIRE SEAL](#)

TE Part #CAT-AM71-CH8172
[AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING](#)

Documents

Product Drawings
[983-OWS 22-12 PN-L](#)

English

CAD Files
[3D PDF](#)

3D



Customer View Model

[ENG_CVM_CVM_ZPF000000000007801_1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_ZPF000000000007801_1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_ZPF000000000007801_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