

DTS20W13-35SC [V001] ✓ ACTIVE

DEUTSCH | DEUTSCH 38999, DEUTSCH 38999 Series III

TE Internal #: YDTS20W13-35SCV001

Standard Circular Connectors, Cable-to-Panel, 22 Position,
Sealable, Wire & Cable, Signal, Panel Mount, Cadmium, O.D.,
DEUTSCH 38999 Series III

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Connectors > Circular Connectors > Standard Circular Connectors > D38999: Square Flange, 13-35 insert



Connector System: **Cable-to-Panel**

Number of Positions: **22**

Sealable: **Yes**

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

Contact Current Rating (Max): **5 A**

[All D38999: Square Flange, 13-35 insert \(79\)](#)

Features

Product Type Features

Product Type	Connector
Assembly Type	Electrical Connector
Connector System	Cable-to-Panel
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Receptacle
Shell Type	Square Flange Receptacle

Configuration Features

Keying & Polarized Position Locations	C
Factory Installed Backshell	No
Keying	Keyway Polarization C
Number of Positions	22
Number of Power Positions	0
Number of Signal Positions	22
Contacts Preloaded	No

Electrical Characteristics



Voltage	1300 Vrms
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Operating Voltage	400 VAC
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Body Features

Feedthrough Type	No
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Environmental Protection Type	Elastomer Sealed
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Entry Style	Rear Insertion
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Peripheral Seal Material	Silicone
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Environmental Protection	Yes
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Weight	16.7 g[.0369 lb]
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O-Ring Material	Silicone
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Fluid Type	Coolanol 25, M2-V, MIL-DTL-5624 (JP-4,JP-5), MIL-DTL-83133 (JP-8), MIL-PRF-23699, MIL-PRF-5606, MIL-PRF-7808, SEA-AMS1424 Type I
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Shell Plating Material	Cadmium, O.D.
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Shell Base Material	Aluminum 6061-T6
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Circular Connector Insulation Material Type	Hard Dielectric/Silicone
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Hermetically Sealed	No
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Contact Features

Contact Quantity (Size 22D)	22
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Contact Current Rating (Max)	5 A
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Reverse Gender	No
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Contact Layout Arrangement	13 – 35
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Circular Connector Contact Type	Socket
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Mechanical Attachment

Mating Retention Type	Triple Start Threaded
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Panel Mount Feature	With
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Panel Mount Feature Type	Square Flange
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Connector Mounting Type	Panel Mount
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Polarization Code	C
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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	13
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Alignment Keyed

Clocking

Dimensions

Accepts Wire Insulation Diameter Range

.76 – 1.37 mm [.03 – .054 in]

Assembly Length

31.5 mm [1.24 in]

Wire Size

.08 – .33 mm²

Usage Conditions

Fluid Resistance

Yes

Operating Temperature Range

-65 – 200 °C [-85 – 392 °F]

Operation/Application

Durability Rating

500 Cycles

Circuit Application

Signal

Shielded

Yes

Packaging Features

Packaging Quantity

1

Other

Position Locations Omitted

All

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU

Not Compliant

EU ELV Directive 2000/53/EC

Not Compliant

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 2022 (224)

Candidate List Declared Against: JUNE 2022 (224)

SVHC > Threshold:

Cd (3.41% in Plating)

Pb (1.2% in Pin Copper Alloy)

Decamethylcyclopentasiloxane (D5) (5% in Insert assembly)

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

Not Yet Reviewed for halogen content

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 # CAT-D38999-DTS23P
D38999: Straight Plug, 13-35 Insert

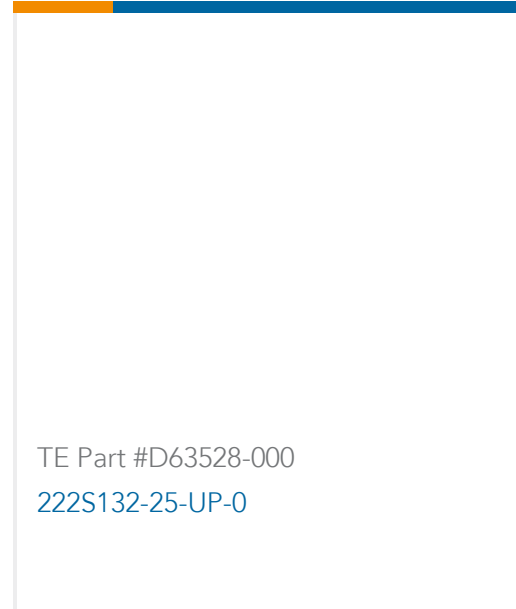
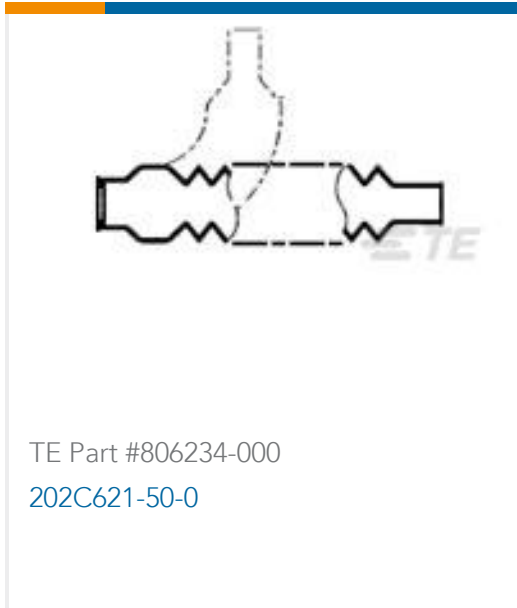
Also in the Series | **DEUTSCH 38999**

Standard Circular Connectors(12501)

Also in the Series | **DEUTSCH 38999 Series III**

Standard Circular Connectors(37354)

Customers Also Bought



Documents

Datasheets & Catalog Pages

[DEUTSCH MIL-DTL-38999 Connectors Quick Reference Guide](#)

English