DTS20F25-04PN [V001] ✔ ACTIVE

DEUTSCH | DEUTSCH 38999, DEUTSCH 38999 Series III

TE Internal #: YDTS20F25-04PNV001

Standard Circular Connectors, Cable-to-Panel, 56 Position, Sealable, Wire & Cable, Power & Signal, Panel Mount, DEUTSCH 38999 Series III

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Connectors > Circular Connectors > Standard Circular Connectors > D38999: Square Flange, 25-04 insert



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

Number of Positions: **56**

Sealable: **Yes**

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

Contact Current Rating (Max): **13 A**

All D38999: Square Flange, 25-04 insert (67)

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	N
Factory Installed Backshell	No
Keying	Keyway Polarization N
Number of Positions	56
Number of Power Positions	8
Number of Signal Positions	48
Contacts Preloaded	No

Electrical Characteristics

Operating Voltage	600 VAC
Voltage	1800 Vrms

Body Features

Peripheral Seal Material	Silicone
Environmental Protection	Yes
Weight	41.99 g[.0927 lb]
Feedthrough Type	No
O-Ring Material	Silicone
Environmental Protection Type	Elastomer Sealed
Entry Style	Rear Insertion
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
Shell Plating Material	Electroless Nickel
Shell Base Material	Aluminum 6061-T6
Circular Connector Insulation Material Type	Hard Dielectric/Silicone
Hermetically Sealed	No

Contact Features

Contact Quantity (Size 20)	48
Contact Quantity (Size 16)	8
Contact Current Rating (Max)	13 A
Reverse Gender	No
Contact Layout Arrangement	25 – 4
Circular Connector Contact Type	Pin

Mechanical Attachment

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

Housing Features

Circular Connector Shell Size	25
Alignment Keyed	Clocking

Dimensions

Assembly Length	31.5 mm[1.24 in]
Wire Size	.52 – 1.31 mm^2

Usage Conditions

Fluid Resistance	Yes
Operating Temperature Range	-65 – 200 °C[-85 – 392 °F]

Operation/Application

Durability Rating	500 Cycles
Circuit Application	Power & 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>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
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: JAN 2022 (223) SVHC > Threshold: Pb (1.2% in Contact Lead-Copper Alloy) Decamethylcyclopentasiloxane (D5) (5% in Insert assembly) **Article Safe Usage Statements:** 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-DTS19N
Straight Plug: D38999, 25-04 Insert, Electroless Nickel Plating

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



TE Part #T4061410004-002
M8 CABLE RA FEMALE 1.0M 4POS PVC CABLE



TE Part #T4111501021-000
M12,MALE,STRAIGHT,D CODE,2P, PG7,GOLD



TE Part #T4133512031-000
M12,FRONT MOUNT,FEMALE,D,3P, SOLDER WIRE



TE Part #YACT26JB35SNV00100
STRAIGHT PLUG



TE Part #CTJ720K01B
MODULE ASSY

TE Part #544121-000
234A621-3-03/42-0

TE Part #682065-000
214A321-3-02/42-0

TE Part #590087-000
214A332-3-02/42-0

TE Part #923793-000
234A721-3-02/42-0

Documents

Datasheets & Catalog Pages

DEUTSCH MIL-DTL-38999 Connectors Quick Reference Guide

English