# DTS20W15-35SN [V001] - ACTIVE

#### DEUTSCH | DEUTSCH 38999 Series III

TE Internal #: YDTS20W15-35SNV001

Wire-to-Wire, 37 Position, .06 mm [.1 in] Centerline, Sealable, Wire

& Cable, Power & Signal, DEUTSCH 38999 Series III, Standard

Circular Connectors

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Connectors > Circular Connectors > Standard Circular Connectors > D38999: Square Flange, 15-35 insert



Connector System: Wire-to-Wire

Connector Mounting Type: Panel Mount

Number of Positions: 37

Centerline (Pitch): .06 mm [.1 in]

Sealable: Yes

All D38999: Square Flange, 15-35 insert (41)

### **Features**

### **Product Type Features**

Product Type	Connector Assembly
Assembly Type	Electrical Connector
Connector System	Wire-to-Wire
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	37
Number of Power Positions	0
Number of Signal Positions	37
Contacts Preloaded	No

## **Electrical Characteristics**



Operating Voltage	400 VAC
Voltage	1300 Vrms
	1300 VIIII3
Body Features	
Peripheral Seal Material	Silicone
Environmental Protection	Yes
Feedthrough Type	No
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	Cadmium O.D.
Shell Base Material	Aluminum
Circular Connector Insulation Material Type	Hard Dielectric/Silicone
Hermetically Sealed	No
Contact Features	
Contact Quantity (Size 22D)	37
Contact Current Rating (Max)	5 A
Reverse Gender	No
Contact Layout Arrangement	Circular
Circular Connector Contact Type	Pin/Socket
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	Normal
Mating Alignment Type	Polarization
Mating Retention	Without
Housing Features	
Centerline (Pitch)	.06 mm[.1 in]
Circular Connector Shell Size	D (15)
Alignment Keyed	Clocking



Dimensions	
Compatible Insulation Diameter Range	.76 – 1.37 mm[.03 – .054 in]
Assembly Length	31.5 mm[1.24 in]
Wire Size	.15 – .4 mm²
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	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 2024 (241) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold: Cd (3.41% in Plating) Pb (1.2% in Pin Copper Alloy) 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

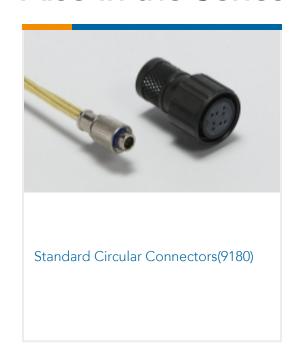


EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical 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



# Also in the Series | DEUTSCH 38999 Series III



# **Customers Also Bought**





















### **Documents**

**Product Drawings** 

**RECP ASSY** 

English

**CAD Files** 

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_YDTS20W15-35SNV001\_99.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_YDTS20W15-35SNV001\_99.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_YDTS20W15-35SNV001\_99.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages

**DEUTSCH MIL-DTL-38999 CIRCULAR CONNECTORS** 

English