



Connectors > Circular Connectors > Standard Circular Connectors



Connector System: **Wire-to-Wire**
Connector Mounting Type: **Panel Mount**
Number of Positions: **8**
Sealable: **Yes**
Connector & Contact Terminates To: **Wire & Cable**

Features

Product Type Features

Connector Product Type	Connector Assembly
Assembly Type	Electrical Connector
Connector System	Wire-to-Wire
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Circular Connector Receptacle
Shell Type	Jam Nut Receptacle

Configuration Features

Keying & Polarized Position Locations	N
Factory Installed Backshell	No
Number of Positions	8
Number of Power Positions	4
Number of Signal Positions	4
Contacts Preloaded	No

Body Features

O-Ring Material	Silicone
Entry Style	Rear Insertion



Environmental Protection	Yes
Environmental Protection Type	Elastomer Sealed
Peripheral Seal Material	Silicone
Fluid Type	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, Synthetic Hydrocarbon Heat Transfer Fluid
Feedthrough Type	No
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 20)	4
Contact Current Rating (Max)	150 A
Reverse Gender	No
Contact Layout Arrangement	Circular
Circular Connector Contact Type	Pin/Socket

Mechanical Attachment

Panel Mount Feature	With
Mating Retention Type	Triple Start Threaded
Panel Mount Feature Type	Jam Nut
Connector Mounting Type	Panel Mount
Polarization Code	N
Mating Alignment Type	Polarization
Mating Retention	Without

Housing Features

Circular Connector Shell Size	J (25)
Alignment Keyed	Clocking

Dimensions

Panel Thickness (Recommended)	1.58 – 3.2 mm[.062 – .126 in]
Assembly Length	32.5 mm[1.28 in]
Wire Size	4 AWG

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
Shielded	Yes

Packaging Features

Packaging Quantity	1
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Other

Position Locations Omitted	All
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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	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Cd (2% in Plating) Pb (1.2% in Contact) Pb (.4% in Shell) 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>



Also in the Series | [DEUTSCH 38999 Series III](#)



Circular Connector Backshells & Clamps(7)



Connector Backshells(7)



Standard Circular Connectors(235)

Also in the Series | [DEUTSCH 38999](#)



Circular Connector Backshells & Clamps(7)



Connector Backshells(7)



Standard Circular Connectors(235)

Customers Also Bought



TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



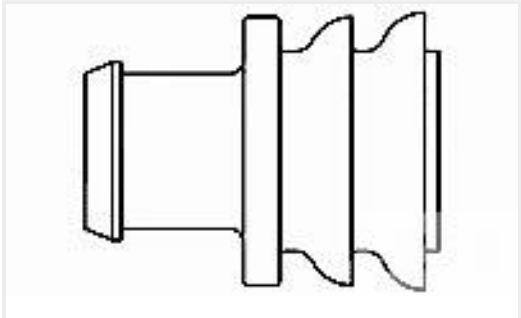
TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #DT04-2P
REC, 2P, GRY, N



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

[Datasheets & Catalog Pages](#)
[DEUTSCH MIL-DTL-38999 Connectors Quick Reference Guide](#)
English

