



DEUTSCH

TE Internal #: YDG1230R2045S2V001

Standard Circular Connectors, Wire-to-Wire, 45 Position, Sealable, Wire & Cable, 7.5A Contact Current Rating (Max), Power & Signal, Panel Mount, Tin

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Connectors > Circular Connectors > Standard Circular Connectors



Connector System: **Wire-to-Wire**

Number of Positions: **45**

Sealable: **Yes**

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

Contact Current Rating (Max): **7.5 A**

**Features**

**Product Type Features**

Product Type	Connector
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	2
Factory Installed Backshell	No
Keying	Key Polarization 2
Number of Positions	45
Number of Power Positions	45
Number of Signal Positions	45
Contacts Preloaded	No

**Electrical Characteristics**

Operating Voltage	600 VAC
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Voltage	1800 Vrms
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### Body Features

Peripheral Seal Material	Silicone
Environmental Protection	Yes
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-5), MIL-PRF-23699, MIL-PRF-5606, MIL-PRF-7808, SEA-AMS1424 Type I
Shell Plating Material	Tin
Shell Base Material	Composite
Circular Connector Insulation Material Type	Hard Dielectric/Silicone
Hermetically Sealed	No

### Contact Features

Contact Quantity (Size 20)	45
Contact Current Rating (Max)	7.5 A
Reverse Gender	No
Contact Layout Arrangement	P45 (20-45)
Circular Connector Contact Type	Socket

### Mechanical Attachment

Mating Retention Type	Bayonet
Panel Mount Feature	With
Panel Mount Feature Type	Square Flange
Connector Mounting Type	Panel Mount
Polarization Code	2
Mating Alignment Type	Keyed
Mating Retention	With

### Housing Features

Circular Connector Shell Size	20
Alignment Keyed	Clocking

### Dimensions



Panel Thickness	7.94 mm[.313 in]
Accepts Wire Insulation Diameter Range	1.02 – 1.88 mm[.04 – .074 in]
Assembly Length	34.19 mm[1.346 in]
Wire Size	.2 – .52 mm <sup>2</sup>

**Usage Conditions**

Fluid Resistance	Yes
Operating Temperature Range	-65 – 175 °C[-85 – 347 °F]

**Operation/Application**

Durability Rating	1500 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	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: JUL 2021 (219) Candidate List Declared Against: JAN 2021 (211) SVHC > Threshold: Pb (1.2% in Contact Lead-Copper Alloy) Decamethylcyclopentasiloxane (D5) (5% in Insert Subassembly) <b>Article Safe Usage Statements:</b> 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 # CJ2087-000  
HL2010E-KIT-120V



TE Part # M15570-20  
TOOL INS/REM

## Customers Also Bought



TE Part #1617807-5  
FC-335-SY8= RELAY, 3PST



TE Part #ZPF000000000001261  
097-0267-16 A1267



TE Part #1617147-5  
JMGAP-26P = M39016/17-030P



TE Part #ZPF000000000007174  
983-ORS 08-98 PN



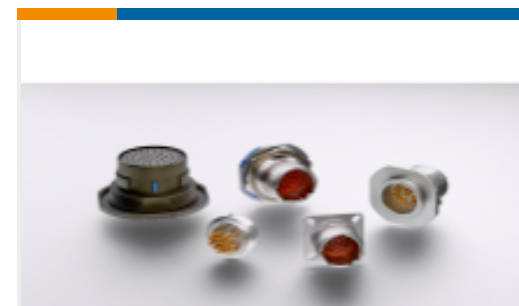
TE Part #1616058-6  
A703CD (FAA/PMA)=RELAY



TE Part #YAFD56-14-15SWC019  
PLUG ASSY



TE Part #CX1369-000  
BSTS-13X4FR/NM



TE Part #YDTS20Y13-98XNV001  
HERM RECP



TE Part #1617119-5  
J1MAW-18XP = M39016/7-021P



TE Part #CS8624-000  
BSTS-15X4FR/NM



## Documents

### Product Drawings

[RECP ASSY](#)

English

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### Datasheets & Catalog Pages

[DEUTSCH MIL-DTL-38999 CIRCULAR CONNECTORS](#)

English

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