



DEUTSCH | DEUTSCH DT

TE Internal #: DT06-6S-EP04

Housing for Female Terminals, Wire-to-Wire, 6 Position, 4.44 mm [.175 in] Centerline, Sealable, Gray, Wire & Cable, Power, DEUTSCH DT

[View on TE.com >](#)

Connectors > Automotive Connectors > Automotive Housings



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

Number of Positions: **6**

Connector & Housing Type: **Housing for Female Terminals**

Centerline (Pitch): **4.44 mm [.175 in]**

Sealable: **Yes**

Features

Product Type Features

| | |
|-----------------------------------|------------------------------|
| Connector System | Wire-to-Wire |
| Connector & Housing Type | Housing for Female Terminals |
| Sealable | Yes |
| Connector & Contact Terminates To | Wire & Cable |
| Primary Locking Feature | Integrated in Housing |
| Mixed & Hybrid Connector | No |
| Connector Shape | Rectangular |

Configuration Features

| | |
|-----------------------|---|
| Number of Positions | 6 |
| Number of Rows | 2 |
| Blank Cavity Position | 0 |

Housing Features

| | |
|--------------------|-------------------|
| Centerline (Pitch) | 4.44 mm [.175 in] |
| Housing Material | PA GF |



Contact Features

| | |
|------------------------------|------------------|
| Mating Pin Diameter | 1.59 mm[.063 in] |
| Contact Current Rating (Max) | 13 A |
| Contact Size | Size 16 |
| Contact Type | Socket |

Body Features

| | |
|-----------------------|------|
| Primary Product Color | Gray |
| Cable Exit Angle | 180° |

Operation/Application

| | |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Mechanical Attachment

| | |
|-----------------------------|----------------------------|
| Connector Mounting Type | Cable Mount (Free-Hanging) |
| Strain Relief | Add By Accessory |
| Terminal Position Assurance | Yes |
| Mating Alignment Type | Polarized |
| Mating Alignment | With |

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature (Max) | 125 °C[257 °F] |
| Operating Temperature Range | -55 – 125 °C[-67 – 257 °F] |

Electrical Characteristics

| | |
|------------------------------|---------|
| Nominal Voltage Architecture | 250 V |
| Operating Voltage | 250 VDC |

Other

| | |
|--------------------------------------|-----------|
| Connector Position Assurance Capable | No |
| EU RoHS Compliance | Compliant |
| EU ELV Compliance | Compliant |
| Serviceable | Yes |

Dimensions

| | |
|--------------------------------------|--------------------------------|
| Row-to-Row Spacing | 4.45 mm[.175 in] |
| Compatible Insulation Diameter Range | 2.23 – 3.68 mm[.088 – .145 in] |
| Product Width | 20.83 mm[.82 in] |
| Product Length | 32.21 mm[1.268 in] |



| | |
|------------------|-------------------|
| Connector Height | 24.03 mm[.946 in] |
|------------------|-------------------|

Industry Standards

| | |
|-------------------------------------------|------------------------------------|
| IP Rating | IP6K9K, IP68 |
| Compatible With Agency/Standards Products | SAE J2030 |
| UL Flammability Rating | 12mm Flame Test per Standard UL-94 |

Packaging Features

| | |
|--------------------|-----|
| Packaging Quantity | 800 |
| Packaging Method | Box |

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

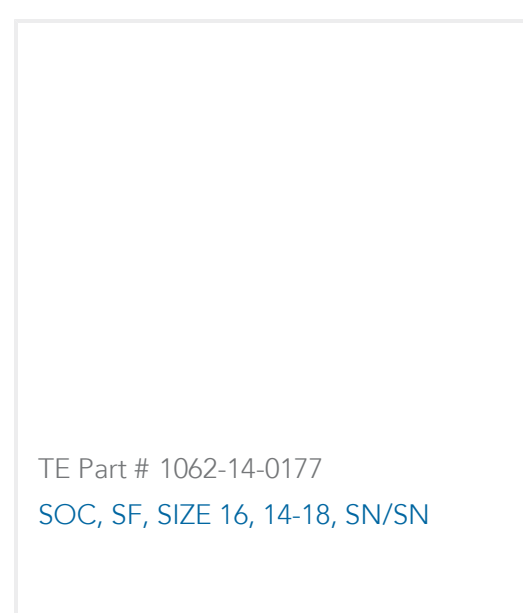
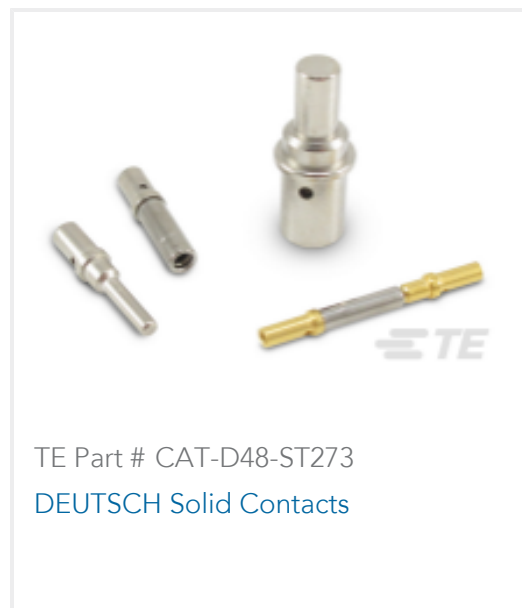
| | |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.5% in Component Part) Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part) Decamethylcyclopentasiloxane (D5) (.5% in Component Part) Article Safe Usage Statements: 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 Low Halogen - contains Br or Cl > 900 ppm. |
| 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>

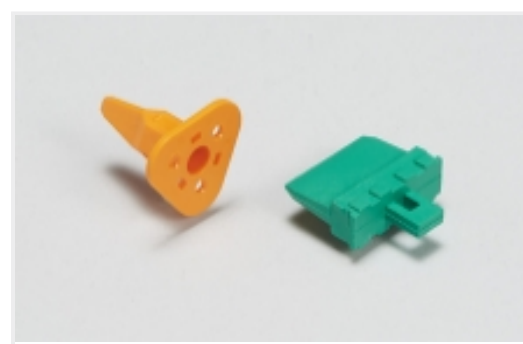
Compatible Parts



Also in the Series | **DEUTSCH DT**



Automotive Connector Caps & Covers (19)



Automotive Connector Locks & Position Assurance (90)



Automotive Housings (737)



Connector Backshells (67)



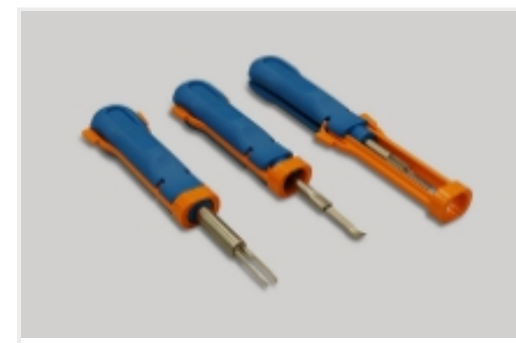
Connector Caps & Covers (1)



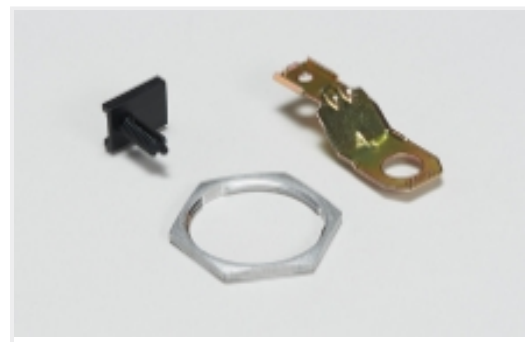
Connector Seals & Cavity Plugs (18)



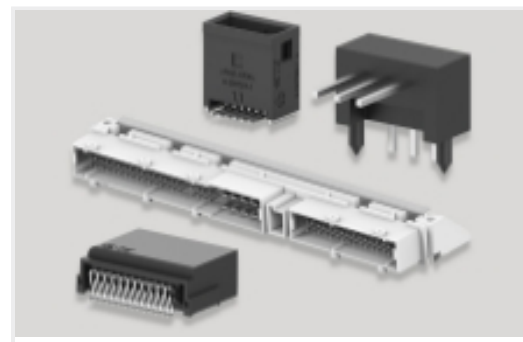
Connector Strain Relief (31)



Insertion & Extraction Tools (3)



Other Automotive Connector Accessories (28)



PCB Headers & Receptacles (107)



Rectangular Connector Housings (1)

Customers Also Bought



TE Part #W4PC
Wedgelocks: DEUTSCH DT



TE Part #DT04-12PC-L012
DEUTSCH DT Receptacle Connectors



TE Part #DTM06-12SB-E003
PLG, 12P, BLK, N, CAP, B



TE Part #DT06-08SB-CE01
PLG, 8P, BLK, E, CAP, B



TE Part #DT06-4S-EP04
PLG, 4P, GRY, N, CAP



TE Part #1-1546671-0
10P.437" DR BARRIER,W/WIR CLMP

Documents



Product Drawings

[PLG, 6P, GRY, N, CAP](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_DT06-6S-EP04_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_DT06-6S-EP04_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_DT06-6S-EP04_B.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[TERMINALS AND CONNECTORS](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

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