

DT04-2P-TR31-750

✓ ACTIVE

DEUTSCH | DEUTSCH DT

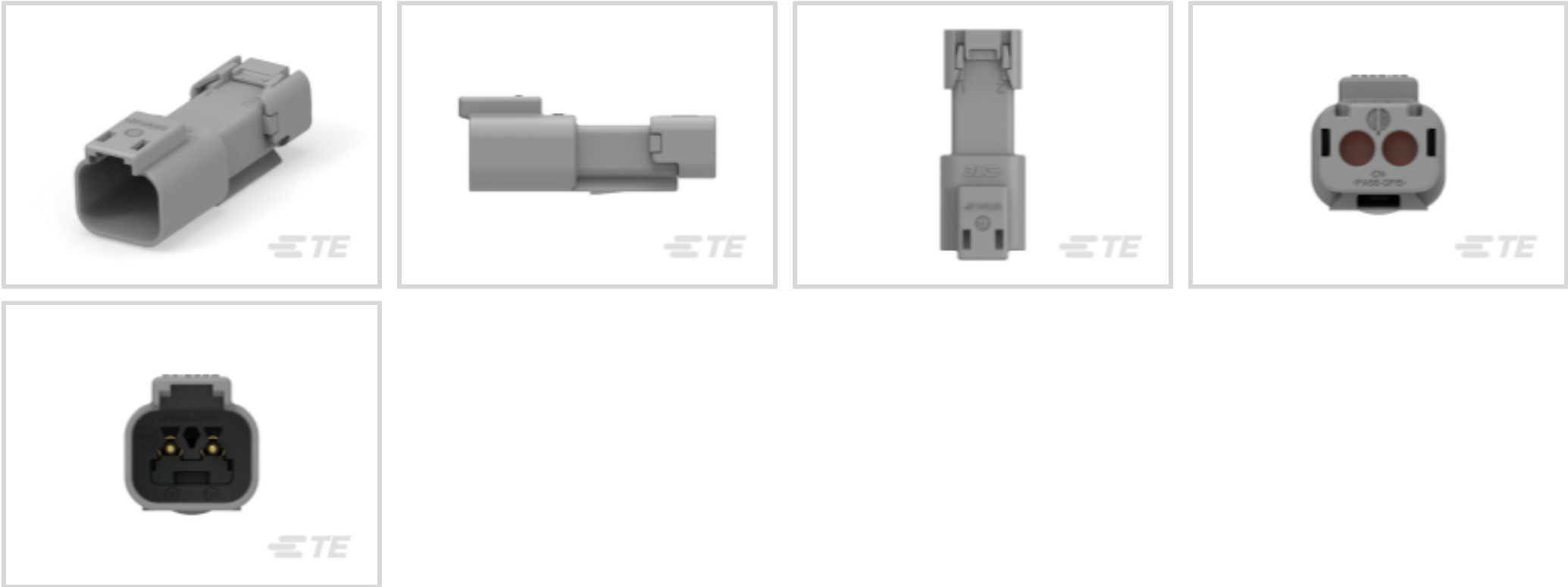
TE Internal #: 2-2322907-2

12 V / 24 V / 48 V, 2 Position, Automotive Housing for Female  
Terminals, Wire-to-Wire, 5.5 mm [.216 in] Centerline, Sealable,  
Gray, DEUTSCH DT

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Automotive Parts > Automotive Connectors > Automotive Housings > DEUTSCH DT Integrated Component



Nominal Voltage Architecture: 12 V, 24 V, 48 V

Connector & Housing Type: Housing for Female Terminals

Number of Positions: 2

Sealable: Yes

Operating Temperature Range: -55 – 125 °C [ -67 – 257 °F ]

[All DEUTSCH DT Integrated Component \(52\)](#)

Features

Product Type Features

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

Configuration Features

|                       |   |
|-----------------------|---|
| Blank Cavity Position | 0 |
| Number of Positions   | 2 |
| Number of Rows        | 1 |

Electrical Characteristics

|  |  |
|--|--|
|  |  |
|--|--|



|                              |                  |
|------------------------------|------------------|
| Operating Voltage            | 250 VDC          |
| Nominal Voltage Architecture | 12 V, 24 V, 48 V |

Body Features

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

Contact Features

|                              |                |
|------------------------------|----------------|
| Contact Size                 | Size 16        |
| Contact Type                 | Pin            |
| Mating Pin Diameter          | 1.5 mm[.06 in] |
| Contact Current Rating (Max) | 13 A           |

Mechanical Attachment

|                             |                            |
|-----------------------------|----------------------------|
| Strain Relief               | Without                    |
| Terminal Position Assurance | No                         |
| Mating Alignment Type       | Polarization               |
| Mating Alignment            | With                       |
| Connector Mounting Type     | Cable Mount (Free-Hanging) |

Housing Features

|                    |                 |
|--------------------|-----------------|
| Housing Material   | PA 66 GF15      |
| Centerline (Pitch) | 5.5 mm[.216 in] |

Dimensions

|                                      |                            |
|--------------------------------------|----------------------------|
| Compatible Insulation Diameter Range | 1.4 – 2.5 mm[.055 – .1 in] |
| Product Width                        | 46.2 mm[1.81 in]           |
| Product Length                       | 17.1 mm[.673 in]           |
| Connector Height                     | 17 mm[.669 in]             |
| Wire Size                            | 20 – 14 AWG                |

Usage Conditions

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

Operation/Application

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

Industry Standards

|           |              |
|-----------|--------------|
| IP Rating | IP68, IP6K9K |
|-----------|--------------|



|                                           |           |
|-------------------------------------------|-----------|
| Compatible With Agency/Standards Products | SAE J2030 |
| UL Flammability Rating                    | UL 94V-0  |

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 1   |
| Packaging Method   | Bag |

Other

|                                      |     |
|--------------------------------------|-----|
| Serviceable                          | Yes |
| Connector Position Assurance Capable | No  |

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 | 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: FEB 2026 (253)<br>Candidate List Declared Against: JUNE 2025 (250)<br>SVHC > Threshold:<br>Dodecamethylcyclohexasiloxane (D6) (.5% in Component)<br>Decamethylcyclopentasiloxane (D5) (.5% in Component)<br>Pb (1.2% in Component)<br>Octamethylcyclotetrasiloxane (D4) (.5% in Component)<br><b>Article Safe Usage Statements:</b><br>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 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

TE Part # CAT-J41-DDSCC  
DEUTSCH DT Connectors with snap cap

TE Part # 1924487-2  
MOUNTING CLIP, AMPSEAL 16

TE Part # CAT-J41-DDPC  
DEUTSCH DT Plug Connectors

TE Part # DT06-2S-CE02  
PLG, 2P, BLK, E

TE Part # CAT-D487-M8649  
DEUTSCH DT Mounting Clips

Also in the Series | DEUTSCH DT

Automotive Connector Caps & Covers  
(124)

Automotive Housings(765)

Other Automotive Connector  
Accessories(27)

Rectangular Connector Housings(1)

Standard Rectangular Connectors(1)

Wire-to-Board Connector Assemblies  
& Housings(1)

Customers Also Bought

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TE Part #DT04-12PC-BL12  
REC, 12P, GRN, E, ENH KEY, CAP, FLANGE,C

TE Part #1747731-2  
0.64/1.0 SEALED 49POS PLUG ASSY, B KEY

TE Part #241-3763  
CAT JUMPER ASSMB

TE Part #8N1531-24-12S  
PLG, 12P, AL, N, 4/16, S

TE Part #4460931-ZZ  
4460931

TE Part #8N1532-24-7P  
REC, 7P, AL, N, 4/8/12/16, P

TE Part #0513-012-4006  
SEAL, INTF, 40P, BRN, AEC

TE Part #0504-002-4001  
DUST CAP, 40P, REC, BLK, AEC

TE Part #8N1530-24-12P  
REC, 12P, AL, N, 4/16, P

TE Part #8N1522-32  
PANEL NUT, SIZE 32

Documents

Product Drawings

DT04-2P-TR31-750, REC,2P,GRY,SNAPCAP,AU

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_2-2322907-2\_A.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-2322907-2\_A.3d\_igs.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2-2322907-2\_A.2d\_dxf.zip

English

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Product Specifications



Application Specification

English

Agency Approvals

UL Report

English