DT06-2S-TN82 ✔ ACTIVE

DEUTSCH | DEUTSCH DT

TE Internal #: 2-2303815-3

12 V / 24 V / 48 V, 2 Position, Automotive Housing for Female Terminals, Wire-to-Wire, 5.46 mm [.215 in] Centerline, Sealable, Black, DEUTSCH DT

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Automotive Parts > Automotive Connectors > Automotive Housings > DEUTSCH DT Connectors with snap cap







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 Connectors with snap cap (36)

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	Black

Contact Features

Contact Size	Size 16
Contact Type	Socket
Mating Pin Diameter	1.55 mm[.061 in]
Contact Current Rating (Max)	13 A

Mechanical Attachment

Strain Relief	Add By Accessory
Terminal Position Assurance	No
Mating Alignment Type	Polarization
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PA GF
Centerline (Pitch)	5.46 mm[.215 in]

Dimensions

Compatible Insulation Diameter Range	2.23 – 3.68 mm[.088 – .145 in]
Product Width	17.34 mm[.683 in]
Product Length	42.2 mm[1.661 in]
Connector Height	15.77 mm[.621 in]

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	12mm Flame Test per Standard UL-94

Packaging Features

Packaging Quantity	1600
Packaging Method	Box

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
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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Dodecamethylcyclohexasiloxane (D6) (.5% in 26179688775) Decamethylcyclopentasiloxane (D5) (.5% in 26179688775) Octamethylcyclotetrasiloxane (D4) (.5% in 26179688775) **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



TE Part # CAT-D48-SFT273
DEUTSCH Stamped and Formed Contacts



TE Part # 2-2303812-3
DT04-2P-TN82, REC, 2P, BLK, N, SNAPXCAP



TE Part # 1011-344-0205
DUST CAP, 2P, PLG, BLK, DT



TE Part # 1062-16-1422
SOC, SF, SIZE 16, 12-16, SLVLES, NI/NI



TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs



TE Part # DT-RT1
EXT TOOL, FRONT RELEASE

TE Part # 1062-14-0177
SOC, SF, SIZE 16, 14-18, SN/SN



TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part # DT04-2P-EE01
REC, 2P, BLK, N, XCAP



TE Part # CAT-D487-H342
DEUTSCH DT Headers

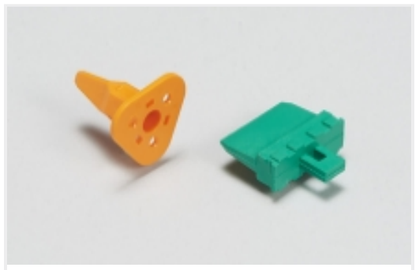


TE Part # CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part # 776363-1
SEALING PLUG, SZ 16 CAVITY

Also in the Series | DEUTSCH DT



Automotive Connector Locks & Position Assurance(91)



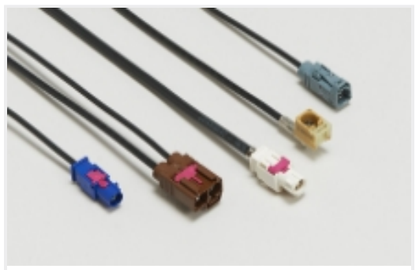
Automotive Housings(767)



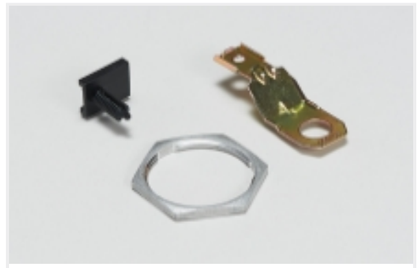
Connector Caps & Covers(1)



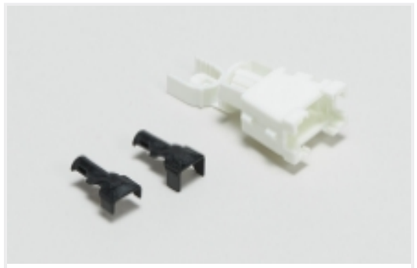
Connector Strain Relief(35)



Infotainment & Multimedia Cable Assemblies(1)



Other Automotive Connector Accessories(27)



Rectangular Backshells & Clamps(3)

Customers Also Bought



TE Part #1011-357-1205
DT BACKSHELL 180 12way plug, A key



TE Part #0462-209-16141
SOC, SOLID, SIZE 16, 14AWG, NI



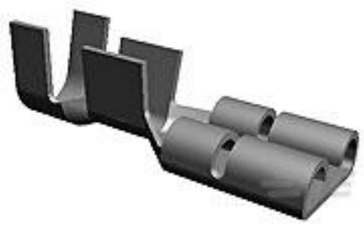
TE Part #DT06-12SA-CE10
PLG, 12P, BLK, E, SEAL RET, ENH KEY, A



TE Part #CAT-J41-DDRC
DEUTSCH DT Receptacle Connectors



TE Part #DT04-12PA-CL06
REC, 12P, BLK, E, FLANGE, A



TE Part #63993-1
250 FASTON REC 18-14 AWG TPBR



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

Documents

Product Drawings

DT06-2S-TN82, PLG, 2P, BLK, N, SNAPXCAP

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-2303815-3_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-2303815-3_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-2303815-3_A.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL Report

English