



Connectors > Automotive Connectors > Connector Housings > DEUTSCH DT HOUSINGS



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

Mating Pin Diameter: **1.59 mm [.063 in]**

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

Number of Positions: **12**

Centerline (Pitch): **9.12 mm [.359 in]**

[All DEUTSCH DT HOUSINGS \(461\)](#)

Features

Product Type Features

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

Configuration Features

Blank Cavity Position	0
Number of Positions	12
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VAC
Nominal Voltage Architecture	12 V, 24 V, 48 V

Body Features

Cable Exit Angle	180°
Body Material	PA GF



Primary Product Color	Green
Connector Code	C

Contact Features

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

Mechanical Attachment

Mounting Feature	Without
Terminal Position Assurance	Yes
Strain Relief	Add By Accessory
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Centerline (Pitch)	9.12 mm[.359 in]
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Dimensions

Product Width	18.19 mm[.716 in]
Product Length	30.94 mm[1.218 in]
Product Height	40.56 mm[1.597 in]
Row-to-Row Spacing	4.45 mm[.175 in]
Accepts Wire Insulation Diameter Range	2.23 – 3.68 mm[.088 – .145 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal
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Industry Standards

Agency/Standard	SAE J2030
Degree of Protection	IP68, IP6K9K
UL Flammability Rating	12mm Flame Test per Standard UL-94



Packaging Features

Packaging Quantity	500
Packaging Method	Box

Other

Serviceable	Yes
Connector Position Assurance Capable	No

Product Compliance

For compliance documentation, visit the product page on TE.com>

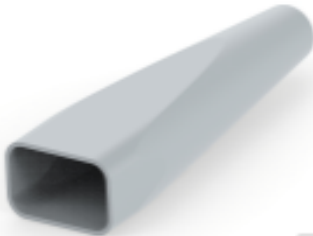
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

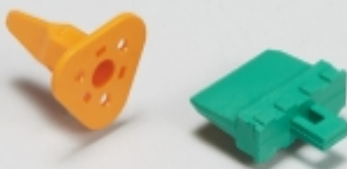
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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-SP729 DEUTSCH SEALING PLUGS	 TE Part # CAT-D487-B128 DEUTSCH DT BACKSHELLS	 TE Part # CAT-D487-P729 DEUTSCH DT DUST CAPS	 TE Part # W12S WEDGE LOCK, 12P, PLG, ORG, STD, DT
 TE Part # CAT-D487-CH8172 DEUTSCH DT HOUSINGS	 TE Part # DT-RT1 EXT TOOL, FRONT RELEASE	 TE Part # CAT-D487-H342 DEUTSCH DT HEADERS	 TE Part # CAT-D48-SFT273 DEUTSCH STAMPED & FORMED CONTACTS
 TE Part # CAT-D48-ST273 DEUTSCH SOLID CONTACTS	 TE Part # 776363-1 SEALING PLUG, SZ 16 CAVITY	 TE Part # DT12S-BT-BK BOOT, 12P, PLG, ST, BLK	 TE Part # DT12S-BT BOOT, 12P, PLG, ST, GRY
 TE Part # DT12S-BT-EN BOOT, 12P, PLG, ST, LONG, GRY	 TE Part # DT12S-BT-YW BOOT, 12P, PLG, ST, YEL		

Also in the Series | DEUTSCH DT

 Automotive Connector Caps & Covers (98)	 Automotive Connector Locks & Position Assurance(73)	 Automotive Housings(619)	 Automotive Seals & Cavity Plugs(4)
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Insertion & Extraction Tools(3)



Other Automotive Connector Accessories(14)



PCB Headers & Receptacles(106)

Customers Also Bought



TE Part #DT04-12PD
DEUTSCH DT HOUSINGS



TE Part #DTHD06-1-4S
PLG, 1P, BLK, N, SIZE 4



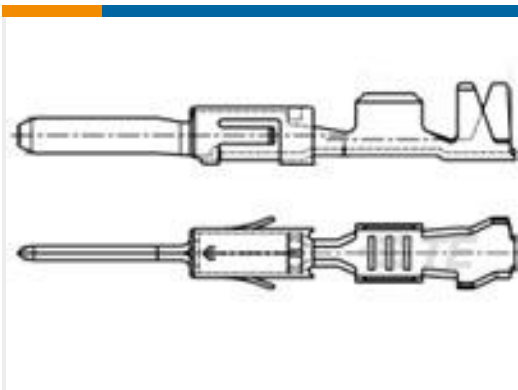
TE Part #DTP06-4S
PLG, 4P, GRY, N



TE Part #K1133246
Relay 29-121-11



TE Part #1028-017-0005
ADPTR, BKS HL, 6,8P, BLK, RA, NW 10 /13



TE Part #963903-1
TAB A 1.6x0.6 CONTACT CS SWS Sn (LP)

Documents

Product Drawings
PLG, 12P, GRN, N, C

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DT06-12SC_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DT06-12SC_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DT06-12SC_A.3d_stp.zip

English

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Datasheets & Catalog Pages
ICT Terminals and Connectors Catalogue

English
CONNECTOR SELECTOR
English

Product Specifications
Application Specification

English

Product Environmental Compliance
Product Compliance

English
Product Compliance
English

Agency Approvals
UL Report

English