



Connectors > Automotive Connectors > Connector Housings > DEUTSCH DT Series Housings & Connectors



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

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

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

Number of Positions: **8**

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

[All DEUTSCH DT Series Housings & Connectors \(461\)](#)

Features

Product Type Features

Connector & Housing Shape	Rectangular
Connector & Housing Type	Housing for Male 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	8
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	Black
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Connector Code	A
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Contact Features

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

Mounting Feature	With
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Terminal Position Assurance	Yes
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Strain Relief	Add By Accessory
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Mating Alignment Type	Keyed
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Mating Alignment	With
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Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

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

Product Width	36.45 mm[1.435 in]
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Product Length	45.67 mm[1.798 in]
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Product Height	23.88 mm[.94 in]
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Row-to-Row Spacing	4.45 mm[.175 in]
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Accepts Wire Insulation Diameter Range	2.23 – 3.68 mm[.088 – .145 in]
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Usage Conditions

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

Circuit Application	Power & Signal
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Industry Standards

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

Packaging Quantity	300
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: JAN 2022 (223) Candidate List Declared Against: JAN 2022 (223) Does not contain REACH SVHC
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-CH8172  
DEUTSCH DT Series Housings & Connectors



TE Part # CAT-D48-ST273  
DEUTSCH SOLID CONTACTS



TE Part # DT-RT1  
EXT TOOL, FRONT RELEASE



TE Part # CAT-D487-M8649  
DEUTSCH DT MOUNTING CLIPS



TE Part # CAT-D487-B128  
DEUTSCH DT BACKSHELLS



TE Part # W8P  
WEDGE LOCK, 8P, REC, GRN, DT



TE Part # CAT-D48-SFT273  
DEUTSCH STAMPED & FORMED CONTACTS



TE Part # DT8P-BT-BK  
BOOT, 8P, REC, ST, BLK



TE Part # DT8P-BT  
BOOT, 8P, REC, ST, GRY


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)



Insertion & Extraction Tools(3)




Other Automotive Connector Accessories(14)



PCB Headers & Receptacles(106)

Customers Also Bought





TE Part #61795-6  
RING 18-14 AWG TPBR



TE Part #2297813-2  
BASE ASSY, 38 POSN ISO FUSE AND RELAY




TE Part #HDP26-24-19SN-L015  
DEUTSCH HDP20 HOUSINGS



TE Part #SRK06-FLB-64A-001  
PLG, 64P, BLK, E, B



TE Part #DT04-08PA-E003  
DEUTSCH DT Series Housings & Connectors



TE Part #42168-2  
SPRING SPADE TERMINAL 18-14 AWG TPBR



TE Part #CAR2SC68  
CAR RECPT DIN9680 2way, IP68

Documents

Product Drawings

REC, 8P, BLK, N, A

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_DT04-08PA-E004\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_DT04-08PA-E004\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_DT04-08PA-E004\_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

TE Material Declaration

English

Agency Approvals

UL Report

English