

DEUTSCH | DEUTSCH DT, DEUTSCH DTHD, DEUTSCH DTSK

TE Internal #: DTSK06-1-08SB

1 Position Housing, Housing for Female Terminals, Wire-to-Wire, Sealable, Black, Wire & Cable, Power, Cable Mount (Free-Hanging),

Hybrid

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Connectors > Automotive Connectors > Automotive Housings











Number of Positions: 1

Connector & Housing Type: Housing for Female Terminals

Mating Pin Diameter: 8 mm [.315 in] Connector System: Wire-to-Wire

Sealable: Yes

Features

Product Type Features

Product Type Features	
Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Wire
Sealable	Yes
Primary Locking Feature	Integrated in Housing
Connector & Contact Terminates To	Wire & Cable
Configuration Features	
Number of Positions	1
Number of Rows	1
Electrical Characteristics	
Operating Voltage	250 VDC

12 V, 24 V

Nominal Voltage Architecture



Contact Size Contact Type Socket Mating Pin Diameter Contact Current Rating (Mex) Mechanical Attachment Strain Relief Add By Accessory Terminal Position Assurance Mating Alignment Type Mating Alignment With Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material Phatrial Phatrial Compatible Insulation Diameter Range Product Width 39.6 mm[1.559 in] Product Width 39.6 mm[1.559 in] Product Length 36.49 mm[1.28 in] Society Confector Height Usage Conditions Operating Temperature (Max) Contact Size Contact Type Contact Co		
Connector & Keying Code B Contact Features Size B Contact Type Socket Mating Pin Diameter B mm1,315 in] Contact Current Rating (Max) 150 A Mechanical Attachment Add By Accessory Strain Relief Add By Accessory Terminal Position Assurance Yes Mating Alignment Type Keyed Mating Alignment Qualified Mount (Free-Hanging) With Connector Mounting Type Cable Mount (Free-Hanging) Housing Features PA GF Dimensions Product Virial Product Frange 10.59 –11.59 mm, 8.17 – 9.66 mm, 9.49 – 10.57 mm/417 – 436 in[1,374 – 414 in][322 – 38 in] Product Width 39.6 mm[1,559 in] Product Length Connector Height 32.5 mm[1,28 in] Usage Conditions 125 °C[257 °F] Operating Temperature (Max) 125 °C[257 °F] Operating Temperature Range 55 125 °C[67 – 257 °F] Operating Temperature Range Prower Operating Temperature Range Prower Operating Temperature Range Prower Operating Temperature Range	Cable Exit Angle	180°
Contact Size Size 8 Contact Type Socket Mating Pin Diameter 8 mm (315 in) Contact Current Rating (Max) 150 A Mechanical Attachment Strain Relief Add By Accessory Terminal Position Assurance Yes Mating Alignment Type Keyed Mating Alignment With Connector Mounting Type Cable Mount (Free-Hanging) Housing Material PA GF Dimensions PA GF Compatible Insulation Diameter Range 10.59 – 11.39 mm, 8.17 – 9.66 mm, 9.49 – 10.52 mm [4.17 – 456 in], 374 – 414 in], 322 – 38 in] Product Width 39.6 mm [1.374 – 414 in], 322 – 38 in] Product Width 39.6 mm [1.374 – 414 in], 322 – 38 in] Usage Conditions 32.5 mm [1.28 in] Usage Conditions 125 °C[67 – 257 °F] Operating Temperature (Max) 125 °C[67 – 257 °F] Operating Temperature Range 55 – 125 °C[67 – 257 °F] Operating Temperature Range Fower Operating Temperature Range Power Operating Temperature Range Power Operating T	Primary Product Color	Black
Contact Size Contact Type Socket Mating Pin Diameter Contact Current Rating (Mex) Mechanical Attachment Strain Relief Add By Accessory Terminal Position Assurance Mating Alignment Type Mating Alignment With Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material Phatrial Phatrial Compatible Insulation Diameter Range Product Width 39.6 mm[1.559 in] Product Width 39.6 mm[1.559 in] Product Length 36.49 mm[1.28 in] Society Confector Height Usage Conditions Operating Temperature (Max) Contact Size Contact Type Contact Co	Connector & Keying Code	В
Contact Type Mating Pin Diameter Contact Current Rating (Max) Mechanical Attachment Strain Relief Add By Accessory Terminal Position Assurance With Connector Mounting Type Mating Alignment Connector Mounting Type Housing Material Dimensions Compatible Insulation Diameter Range Product Width Product Length Connector Height Usage Conditions Operating Temperature (Max) Operating Temperature Range Operation/Application Circuit Application Circuit Application Length Connector Mounting Connector Mounting Type Add By Accessory Add By Accessory Yes Keyed Mating Alignment With Code Keyed Mount (Free-Hanging) PA GF Cable Mount (Free-Hanging) PA GF Dimensions 10.39 11.59 mm, 8.17 9.66 mm, 9.49 10.52 mm[1.47 - 456 in][.374414 in][.32238 in] Product Length 30.49 mm[1.437 in] Connector Height Usage Conditions Operation/Application Operation/Application Circuit Application Power Industry Standards IP Rating IP	Contact Features	
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Contact Current Rating (Max) Mechanical Attachment Strain Relief Add By Accessory Terminal Position Assurance Yes Mating Alignment Type Keyed Mating Alignment Type Cable Mount (Free-Hanging) Housing Features Housing Material PA GF Dimensions Compatible Insulation Diameter Range 10.59 – 11.59 mm, 8.17 – 9.66 mm, 9.49 – 10.52 mm, 4.17 – 4.56 in [l. 374 – 4.14 in [l. 322 – .38 in] Product Width 39.6 mm[1.559 in] Product Length 36.49 mm[1.437 in] Connector Height 32.5 mm[1.28 in] Usage Conditions Operating Temperature (Max) 125 °C[257 °T] Operating Temperature Range - 55 – 125 °C[-67 – 257 °T] Operating Temperature Range Power Industry Standards IP Rating IP68, IP689K Usage Conditions OLIGIAM POWER IP68, IP689K	Contact Type	Socket
Mechanical Attachment Strain Relief Add By Accessory Terminal Position Assurance Yes Mating Alignment Type Keyed Mating Alignment With Connector Mounting Type Cable Mount (Free Hanging) Housing Features Housing Material PA GF Dimensions Compatible Insulation Diameter Range 10.59 — 11.59 mm, 8.17 — 9.66 mm, 9.49 — 10.52 mm[417 — .456 in][.374 — .414 in][.322 — .38 in] Product Width 39.6 mm[1.559 in] Product Length 36.49 mm[1.437 in] Connector Height 32.5 mm[4.28 in] Usage Conditions Operating Temperature (Max) 125 °C[-67 – 257 °Г] Operating Temperature Range -55 — 125 °C[-67 – 257 °Г] Operating Temperature Range Power Industry Standards Ut Flammability Rating Pefek PK	Mating Pin Diameter	8 mm[.315 in]
Strain Relief Add By Accessory Terminal Position Assurance Yes Mating Alignment Type Keyed Mating Alignment With Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material PA GF Dimensions Compatible Insulation Diameter Range In 15.59 - 11.59 mm, 8.17 - 9.66 mm, 9.49 - 10.52 mm/417456 in/[.374414 in/].32238 in/] Product Width 39.6 mm/1.559 in/ Product Length 36.49 mm/1.437 in/ Connector Height 32.5 mm/[1.28 in/] Usage Conditions Operating Temperature (Max) 125 °C/257 °F/ Operation/Application 55 - 125 °C/267 - 257 °F/ Operation/Application Power Industry Standards IP Rating P68, IP6K9K Ut Flammability Rating Not Tested	Contact Current Rating (Max)	150 A
Mating Alignment Type Mating Alignment Mating Alignment Mount (Free-Hanging) Housing Features Housing Material PA GF Dimensions Compatible Insulation Diameter Range 10.59 – 11.59 mm, 8.17 – 9.66 mm, 9.49 – 10.52 mm[.417 – .456 in][.374 – .414 in][.322 – .38 in] Product Width 39.6 mm[1.559 in] Product Length 36.49 mm[1.437 in] Connector Height Usage Conditions Operating Temperature (Max) 125 °C[257 °F] Operating Temperature Range Operation/Application Circuit Application Power Industry Standards IP Rating I	Mechanical Attachment	
Mating Alignment Type Mating Alignment Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material PA GF Dimensions Compatible Insulation Diameter Range Dimensions Compatible Insulation Diameter Range 10.59 - 11.59 mm, 8.17 - 9.66 mm, 9.49 - 10.52 mm[.417456 in][.374414 in][.32238 in] Product Width 39.6 mm[1.559 in] Product Length Connector Height Usage Conditions Operating Temperature (Max) Operating Temperature Range Operating	Strain Relief	Add By Accessory
Mating Alignment Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material PA GF Compatible Insulation Diameter Range Compatible Insulation Diameter Range Compatible Insulation Diameter Range Product Width 39.6 mm[1.559 in] Product Length Connector Height Sace Conditions Operating Temperature (Max) Operating Temperature Range Correction/Application Circuit Application Circuit Application Power Power Power Power Post Tested Post Post Post Post Post Post Post Post	Terminal Position Assurance	Yes
Connector Mounting Type Connector Mounting Type Connector Mounting Type Connector Mounting Type Product Material Product Width Product Length Connector Height Usage Conditions Operating Temperature (Max) Operating Temperature Range Concert Application Circuit Application Circuit Application Product Standards I P Rating I P68, IP6K9K UL Flammability Rating	Mating Alignment Type	Keyed
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Housing Material PA GF Dimensions Compatible Insulation Diameter Range 10.59 – 11.59 mm, 8.17 – 9.66 mm, 9.49 – 10.52 mm[.417 – .456 in][.374 – .414 in][.322 – .38 in] Product Width 39.6 mm[1.559 in] Product Length 36.49 mm[1.437 in] Connector Height Usage Conditions Operating Temperature (Max) Operating Temperature Range Operating Temperature Range Operation/Application Circuit Application Power Industry Standards IP Rating IP 68, IP 6K9K UL Flammability Rating	Connector Mounting Type	Cable Mount (Free-Hanging)
Dimensions Compatible Insulation Diameter Range 10.59 – 11.59 mm, 8.17 – 9.66 mm, 9.49 – 10.52 mm[.417 – .456 in][.374 – .414 in][.322 – .38 in] Product Width 39.6 mm[1.559 in] Product Length 36.49 mm[1.437 in] Connector Height 32.5 mm[1.28 in] Usage Conditions Operating Temperature (Max) 125 °C[257 °F] Operating Temperature Range -55 – 125 °C[-67 – 257 °F] Operation/Application Circuit Application Power Industry Standards UL Flammability Rating IP68, IP6K9K Not Tested	Housing Features	
Compatible Insulation Diameter Range 10.59 – 11.59 mm, 8.17 – 9.66 mm, 9.49 – 10.52 mm, 4.17 – .456 in][.374 – .414 in][.322 – .38 in] Product Width 39.6 mm[1.559 in] Product Length 36.49 mm[1.437 in] Connector Height Usage Conditions Operating Temperature (Max) Operating Temperature Range Operation/Application Circuit Application Power Industry Standards IP Rating IP 68, IP6K9K UL Flammability Rating	Housing Material	PA GF
Product Width 39.6 mm[1.559 in] Product Length 36.49 mm[1.437 in] Connector Height 32.5 mm[1.28 in] Usage Conditions Operating Temperature (Max) 125 °C[257 °F] Operating Temperature Range -55 – 125 °C[-67 – 257 °F] Operating Application Circuit Application Power Industry Standards IP Rating IP68, IP6K9K UL Flammability Rating Nation 19.6 mm[1.374 – .414 in][.322 – .38 in] 19.6 mm[1.559 in] 36.49 mm[1.437 in] 36.49 mm[1.437 in] 36.49 mm[1.28 in] 36.49 mm[1.437 in] 36	Dimensions	
Product Length 36.49 mm[1.437 in] Connector Height 32.5 mm[1.28 in] Usage Conditions Operating Temperature (Max) 125 °C[257 °F] Operating Temperature Range -55 – 125 °C[-67 – 257 °F] Operation/Application Circuit Application Power Industry Standards IP Rating IP68, IP6K9K UL Flammability Rating Not Tested	Compatible Insulation Diameter Range	10.52 mm[.417 – .456 in][.374 – .414 in][.322
Connector Height Usage Conditions Operating Temperature (Max) Operating Temperature Range -55 – 125 °C[-67 – 257 °F] Operation/Application Circuit Application Power Industry Standards IP Rating IP68, IP6K9K UL Flammability Rating Not Tested	Product Width	39.6 mm[1.559 in]
Usage Conditions Operating Temperature (Max) Operating Temperature Range -55 - 125 °C[-67 - 257 °F] Operation/Application Circuit Application Power Industry Standards IP Rating IP Rating IP Rating IP Rating IP Rating IP Rating Not Tested	Product Length	36.49 mm[1.437 in]
Operating Temperature (Max) Operating Temperature Range -55 – 125 °C[-67 – 257 °F] Operation/Application Circuit Application Power Industry Standards IP Rating IP 68, IP6K9K UL Flammability Rating Not Tested	Connector Height	32.5 mm[1.28 in]
Operating Temperature Range -55 – 125 °C[-67 – 257 °F] Operation/Application Circuit Application Power Industry Standards IP Rating IP68, IP6K9K UL Flammability Rating Not Tested	Usage Conditions	
Operation/Application Circuit Application Industry Standards IP Rating IP 68, IP6K9K UL Flammability Rating Not Tested	Operating Temperature (Max)	125 °C[257 °F]
Circuit Application Power Industry Standards IP Rating IP68, IP6K9K UL Flammability Rating Not Tested	Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
Industry Standards IP Rating IP Rating UL Flammability Rating Not Tested	Operation/Application	
IP Rating UL Flammability Rating Not Tested	Circuit Application	Power
UL Flammability Rating Not Tested	Industry Standards	
UL Flammability Rating Not Tested	IP Rating	IP68, IP6K9K
Packaging Features	UL Flammability Rating	Not Tested
	Packaging Features	



Packaging Quantity	150	
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 2025 (247) 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

1 Position Housing, Housing for Female Terminals, Wire-to-Wire, Sealable, Black, Wire & Cable, Power, Cable Mount (Free-Hanging), Hybrid

















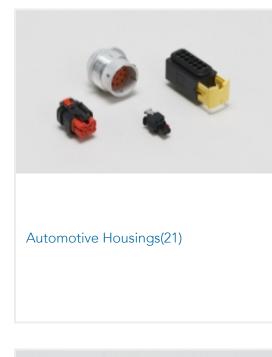


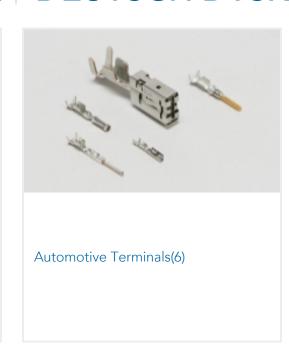


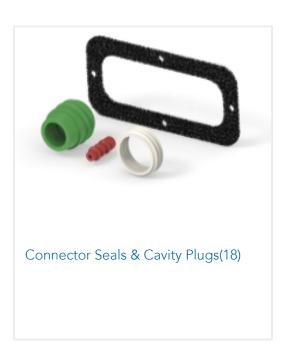


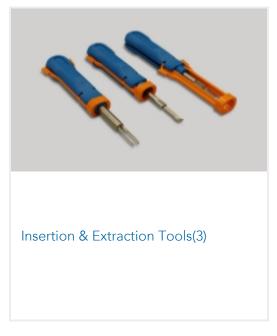


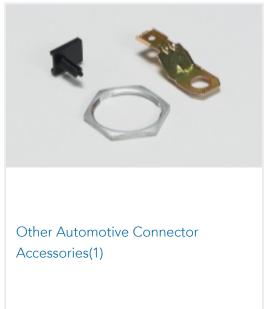
Also in the Series | DEUTSCH DTSK











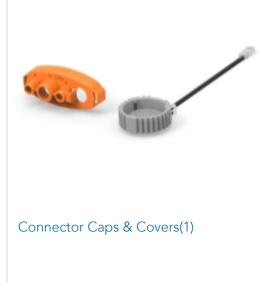
Also in the Series | DEUTSCH DT

1 Position Housing, Housing for Female Terminals, Wire-to-Wire, Sealable, Black, Wire & Cable, Power, Cable Mount (Free-Hanging), Hybrid





Automotive Connector Caps & Covers (19)





Rectangular Connector Housings(1)

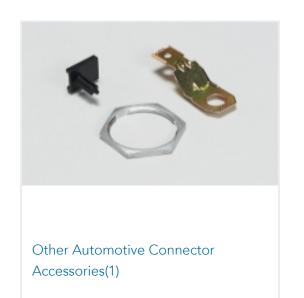




Also in the Series | DEUTSCH DTHD



Automotive Housings(21)



Customers Also Bought



TE Part #2289235-1 DTSKF-1, DTSK FLANGE MOUNT



PIN, SOLID, SIZE M8, 25mm2, AG





1 Position Housing, Housing for Female Terminals, Wire-to-Wire, Sealable, Black, Wire & Cable, Power, Cable Mount (Free-Hanging), Hybrid











Documents

Product Drawings

PLUG, INLINE, KEY B

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DTSK06-1-08SB_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DTSK06-1-08SB_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DTSK06-1-08SB_C.3d_stp.zip

English

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Datasheets & Catalog Pages

DEUTSCH DTSK Connectors Series Brief

English

DEUTSCH DTSK Components Infographic

English

ICT Terminals and Connectors Catalogue

English

Product Specifications

Application Specification

English