DEUTSCH | DEUTSCH DT, DEUTSCH DTHD

TE Internal #: DTSK06-1-08SC

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

View on TE.com >



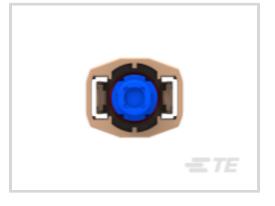
Connectors > Automotive Connectors > Automotive Housings











Connector System: Wire-to-Wire

Number of Positions: 1

Connector & Housing Type: Housing for Female Terminals

Sealable: Yes

Mating Pin Diameter: 8 mm [.315 in]

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector System	Wire-to-Wire
Connector & Housing Type	Housing for Female Terminals
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Primary Locking Feature	Integrated in Housing
Configuration Features	
Number of Positions	1
Number of Rows	0
Electrical Characteristics	
Operating Voltage	250 VAC
Nominal Voltage Architecture	12 V, 24 V

Body Features



Cable Exit Angle Primary Product Color Connector & Keying Code Contact Features Contact Features Contact Size Contact Type Sockee Mating Pin Diameter Contact Current Rating (Mex) Mechanical Attachment Lorminal Position Assurance Yes Strain Relief Add By Accessory Multing Alignment Connector Mounting Type Mating Alignment With Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material PA GF Dimensions Connector Height 32.5 mm/1 28 inj Product Width 39.6 mm/1 599 inj Product Length Compatible Insulation Diameter Range 8.17 - 9.66 mm, 9.49 - 10.52 mm, 10.59 - 11.99 mm/1 322 - 38 inj[.3/4414 in].417496 inj Usage Conditions Operating Temperature (Max) Operating Temperature Range Disperse of Protection Froutest Application Circuit Application Circuit Application Degrees of Protection Industry Standards Degrees of Protection UL Formability Rating Not testee Packaging Features		
Contact Features Contact Size Size 8 Contact Type Socket Mating Pin Diameter 8 mmil.315 in] Contact Current Rating (Max) 150 A Mechanical Attachment Terminal Position Assurance Yes Strain Relief Add By Accessory Mating Alignment With Connector Mounting Type Keyed Muting Alignment With Connector Mounting Type Cable Mount (Free Hanging) Housing Features If lousing Material PA GF Dimensions Connector Height 32.5 mm [1.28 in] Product Length 39.6 mm [1.599 in] Froduct Length 36.49 mm [1.437 in] Compatible Insulation Diameter Range 11.59 mm, 9.49 – 10.52 mm, 10.59 – 11.59 mm, 9.49 – 10.52 mm, 10.59 – 11.59 mm [3.22 – 38 in][374 – 414 in][417 – 456 in] Usage Conditions Operating Temperature (Max) 125 °C[457 °F] Operating Temperature Range -55 – 125 °C[47 – 257 °F] Operating Temperature Range Power Industry Standards Degree of Protection IP68, IP6K9K Not tested	Cable Exit Angle	180°
Contact Features Contact Size Size 8 Contact Type Socket Mating Pin Diameter 8 mm (315 in) Contact Current Rating (Max) 150 A Mechanical Attachment Terminal Position Assurance Yes Strain Relief Add By Accessory Mating Aligement Type Keyed Mating Aligement With Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material PA GF Dimensions Connector Height 32.5 mm (1.28 in) Product Length 36.49 mm (1.437 in) Compatible Insulation Diameter Range 35.49 mm (1.437 in) Usage Conditions Operating Temperature (Max) 125 °C(257 °F) Operating Temperature Range 55.125 °C(47 - 257 °F) Operating Temperature Range Pawer Industry Standards Degree of Protection IP68, IP6K9K Not tested		Brown
Contact Size Contact Type Socket Mating Pin Diameter Contact Current Rating (Max) Mechanical Attachment Terminal Position Assurance Yes Strain Relief Add By Accessory Mating Alignment With Connector Mounting Type Keyed Multing Alignment Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material PA GF Dimensions Connector Height 32.5 mm[1.28 in] Product Width 39.6 mm[1.559 in] Product Length Compatible Insulation Diameter Range 8,17 - 9.66 mm, 9.49 - 10.52 mm, 10.59 - 11.59 mm(3.2238 in)[.374414 in)[.417456 in] Usage Conditions Operating Temperature (Max) Operating Temperature Range Circuit Application Circuit Application Power Industry Standards Degree of Protection UP68, IP68, IP689K Not tested	Connector & Keying Code	C
Contact Type Socket Mating Pin Dizmeter 8 mm[315 in] Contact Current Rating (Max) 150 A Mechanical Attachment Terminal Position Assurance Yes Strain Relief Add By Accessory Mating Alignment Type Keyed Mating Alignment Type Cable Mount (Tree-Hanging) Housing Features Housing Features Housing Material PA GF Dimensions Connector Height 32.5 mm[1.28 in] Product Width 39.6 mm[1.559 in] Product Langth 36.49 mm[1.437 in] Compatible Insulation Diameter Range 8.17 – 9.66 mm, 9.49 – 10.52 mm, 10.59 – 11.59 mm[.322 .38 in][.374 .414 in][.417 .456 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 Degree of Protection IP68, IP689K UI. Flammability Rating Not rested	Contact Features	
Mating Pin Diameter 8 mm[315 in] Contact Current Rating (Max) 150 A Mechanical Attachment Terminal Position Assurance Yes Strain Relief Add By Accessory Mating Alignment Type Keyed Mating Alignment Type Cable Mount (Free-Hanging) Housing Alignment Connector Mounting Type Cable Mount (Free-Hanging) Housing Material PA GF Dimensions Connector Height 32.5 mm[1.28 in] Product Width 39.6 mm[1.539 in] Product Length 36.49 mm[1.437 in] Compatible Insulation Diameter Range 8.17 – 9.66 mm, 9.49 – 10.52 mm, 10.59 – 11.59 mm[322 – 38 in][374 – 414 in][417 – 456 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 Degree of Protection IP68, IP689K Not tested	Contact Size	Size 8
Contact Current Rating (Max) Mechanical Attachment Terminal Position Assurance Strain Relief Add By Accessory Mating Alignment Type Keyed Mating Alignment Type Cable Mount (Free-Hanging) Housing Features Housing Material PA GF Dimensions Connector Height 32.5 mm [1.28 in] Product Width 39.6 mm [1.559 in] Product Width 39.6 mm [1.559 in] Product Length 36.49 mm [1.437 in] Compatible Insulation Diameter Range 8.17 9.66 mm, 9.49 10.52 mm, 10.59 11.59 mm [32238 in][.374414 in][.417456 in] Usage Conditions Operating Temperature (Max) 125 °C[257 °F] Operating Temperature Range -55 - 125 °C[-67 - 257 °F] Operating Temperature Range Degree of Protection Industry Standards Degree of Protection IP68, IP6K9K Ut Flammability Rating Not tested	Contact Type	Socket
Mechanical Attachment Terminal Position Assurance Strain Relief Add By Accessory Mating Alignment Type Keyed Mating Alignment With Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material PA GF Dimensions Connector Height 32.5 mm(1.28 in) Product Width 39.6 mm(1.559 in) Product Width 39.6 mm(1.559 in) Product Length 36.49 mm(1.437 in) Compatible Insulation Diameter Range 81.7 9.66 mm, 9.49 10.59 mm, 10.59 11.59 mm, 10.5	Mating Pin Diameter	8 mm[.315 in]
Terminal Position Assurance Strain Relief Add By Accessory Mating Alignment Type Keyed Mating Alignment With Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material PA GF Dimensions Connector Height 32.5 mm[1.28 in] Product Width 39.6 mm[1.559 in] Product I ongth Compatible Insulation Diarneter Range 8.17 - 9.66 mm, 9.49 - 10.52 mm, 10.59 - 11.59 mm[.37238 in][.374414 in][.417456 in] Usage Conditions Operating Temperature (Max) Operating Temperature Range -55 - 125 °C[-67 - 257 °F] Operation/Application Circuit Application Industry Standards Degree of Protection UI Flammability Rating Not tested	Contact Current Rating (Max)	150 A
Strain Relief Add By Accessory Mating Alignment Type Keyed Mating Alignment With Connector Mounting Type Cable Mount (Free Hanging) Housing Features Housing Material PA GF Dimensions Connector Height 32.5 mm[1.28 in] Product Width 39.6 mm[1.559 in] Product Length 36.49 mm[1.437 in] Compatible Insulation Diameter Range 8.17 - 9.66 mm, 9.49 - 10.52 mm, 10.59 - 11.59 mm[.32238 in][.374414 in][.417456 in] Usage Conditions Operating Temperature (Max) 125 °C[257 °F] Operation/Application Circuit Application Power Industry Standards Degree of Protection IP68, IP6K9K UL Flammability Rating Not tested	Mechanical Attachment	
Mating Alignment Keyed Mating Alignment With Connector Mounting Type Cable Mount (Free Hanging) Housing Features PA GF Dimensions PA GF Connector Height 32.5 mm[1.28 in] Product Width 39.6 mm[1.559 in] Product Length 36.49 mm[1.437 in] Compatible Insulation Diameter Range 8.17 – 9.66 mm, 9.49 – 10.52 mm, 10.59 – 11.59 mm[.322 – .38 in][.374 – .414 in][.417 – .456 in] Usage Conditions Operating Temperature (Max) 125 °C[257 °F] Operating Temperature Range -55 – 125 °C[-67 – 257 °F] Operation/Application Power Industry Standards Degree of Protection IP68, IP6K9K UL Flammability Rating Not tested	Terminal Position Assurance	Yes
Mating Alignment Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material PA GF Dimensions Connector Height 32.5 mm[1.28 in] Product Width 39.6 mm[1.559 in] Product Length 36.49 mm[1.437 in] Compatible Insulation Diameter Range 8.17 – 9.66 mm, 9.49 – 10.52 mm, 10.59 – 11.59 mm[.322 – .38 in][.374 – .414 in][.417 – .456 in] Usage Conditions Operating Temperature (Max) Operating Temperature Range 755 – 125 °C[67 – 257 °F] Operation/Application Circuit Application Power Industry Standards Degree of Protection UL Flammability Rating Not tested	Strain Relief	Add By Accessory
Connector Mounting Type Cable Mount (Free-Hanging) Housing Features PA GF Dimensions Connector Height 32.5 mm[1.28 in] Product Width 39.6 mm[1.559 in] Product Length 36.49 mm[1.437 in] Compatible Insulation Diameter Range 8.17 – 9.66 mm, 9.49 – 10.52 mm, 10.59 – 11.59 mm, 322 – .38 in][.374 – .414 in][.417 – .456 in] Usage Conditions Usage Conditions Operating Temperature (Max) 125 °C[257 °F] Operation/Application -55 – 125 °C[-67 – 257 °F] Operation/Application Power Industry Standards Pose Degree of Protection IP68, IP6K9K UL Flammability Rating Not tested	Mating Alignment Type	Keyed
Housing Features Housing Material PA GF Dimensions Connector Height 32.5 mm[1.28 in] Product Width 39.6 mm[1.559 in] Product Length 36.49 mm[1.437 in] Compatible Insulation Diameter Range 8.17 – 9.66 mm, 9.49 – 10.52 mm, 10.59 – 11.59 mm[.322 – .38 in][.374 – .414 in][.417 – .456 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 Degree of Protection IP68, IP6K9K UL Flammability Rating Not tested	Mating Alignment	With
Housing Material Dimensions Connector Height 32.5 mm[1.28 in] Product Width 39.6 mm[1.559 in] Product Length 36.49 mm[1.437 in] Compatible Insulation Diameter Range 8.17 – 9.66 mm, 9.49 – 10.52 mm, 10.59 – 11.59 mm[.322 – .38 in][.374 – .414 in][.417 – .456 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 Degree of Protection IP68, IP6K9K UL Flammability Rating Not tested	Connector Mounting Type	Cable Mount (Free-Hanging)
Dimensions Connector Height 32.5 mm[1.28 in] Product Width 39.6 mm[1.559 in] Product Length 36.49 mm[1.437 in] Compatible Insulation Diameter Range 8.17 – 9.66 mm, 9.49 – 10.52 mm, 10.59 – 11.59 mm[.322 – .38 in][.374 – .414 in][.417 – .456 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 Degree of Protection IP68, IP6K9K UI. Flammability Rating Not tested	Housing Features	
Connector Height Product Width 39.6 mm[1.28 in] Product Length 36.49 mm[1.437 in] Compatible Insulation Diameter Range 8.17 – 9.66 mm, 9.49 – 10.52 mm, 10.59 – 11.59 mm[.322 – .38 in][.374 – .414 in][.417 – .456 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 Degree of Protection UI. Flammability Rating Not tested	Housing Material	PA GF
Product Width 39.6 mm[1.559 in] Product Length 36.49 mm[1.437 in] Compatible Insulation Diameter Range 8.17 – 9.66 mm, 9.49 – 10.52 mm, 10.59 – 11.59 mm[.322 – .38 in][.374 – .414 in][.417 – .456 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 Degree of Protection IP68, IP6K9K UL Flammability Rating Not tested	Dimensions	
Product Length Compatible Insulation Diameter Range 8.17 – 9.66 mm, 9.49 – 10.52 mm, 10.59 – 11.59 mm[.322 – .38 in][.374 – .414 in][.417 – .456 in] Usage Conditions Operating Temperature (Max) Operating Temperature Range -55 – 125 °C[-67 – 257 °F] Operation/Application Circuit Application Power Industry Standards Degree of Protection IP68, IP6K9K Not tested	Connector Height	32.5 mm[1.28 in]
Compatible Insulation Diameter Range 8.17 – 9.66 mm, 9.49 – 10.52 mm, 10.59 – 11.59 mm[.322 – .38 in][.374 – .414 in][.417 – .456 in] Usage Conditions Operating Temperature (Max) Operating Temperature Range -55 – 125 °C[-67 – 257 °F] Operation/Application Circuit Application Power Industry Standards Degree of Protection IP68, IP6K9K Not tested	Product Width	39.6 mm[1.559 in]
Usage Conditions Usage Conditions Operating Temperature (Max) Operating Temperature Range -55 – 125 °C[-67 – 257 °F] Operation/Application Circuit Application Power Industry Standards Degree of Protection IP68, IP6K9K UL Flammability 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 Degree of Protection IP68, IP6K9K UL Flammability Rating Not tested		11.59 mm[.322 – .38 in][.374 – .414 in][.417 –
Operating Temperature Range -55 – 125 °C[-67 – 257 °F] Operation/Application Circuit Application Power Industry Standards Degree of Protection IP68, IP6K9K UL Flammability Rating Not tested	Usage Conditions	
Operation/Application Circuit Application Industry Standards Degree of Protection UL Flammability Rating Not tested	Operating Temperature (Max)	125 °C[257 °F]
Circuit Application Power Industry Standards Degree of Protection IP68, IP6K9K UL Flammability Rating Not tested	Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
Industry Standards Degree of Protection IP68, IP6K9K UL Flammability Rating Not tested	Operation/Application	
Degree of Protection UL Flammability Rating Not tested	Circuit Application	Power
UL Flammability Rating Not tested	Industry Standards	
	Degree of Protection	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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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





TE Part # DT-RT1 EXT TOOL, FRONT RELEASE



TE Part # SRK-SC-080-35-601 SOC, SOLID, SIZE M8, 35mm2, AG



TE Part # DTSK04-1-08PC RECEPTACLE, INLINE, KEY C



TE Part # SRK-SC-080-25-601 SOC, SOLID, SIZE M8, 25mm2, AG



TE Part # SRK-SC-080-32-601 SOC, SOLID, SIZE M8, 32mm2, AG



TE Part # 2289241-1 WS-25-001, SEAL, BLU, 8.17-9.66, DTSK



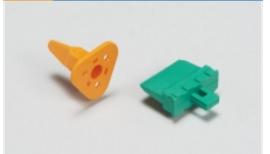
TE Part # 2289242-1 WS-32-001, SEAL, RED, 9.49-10.52, DTSK



TE Part # 2289243-1 WS-35-001, SEAL, GRN, 10.59-11.59, DTSK

Also in the Series | DEUTSCH DT





Automotive Connector Locks & Position Assurance(74)







Connector Seals & Cavity Plugs(6)



Connector Strain Relief(28)



Insertion & Extraction Tools(3)

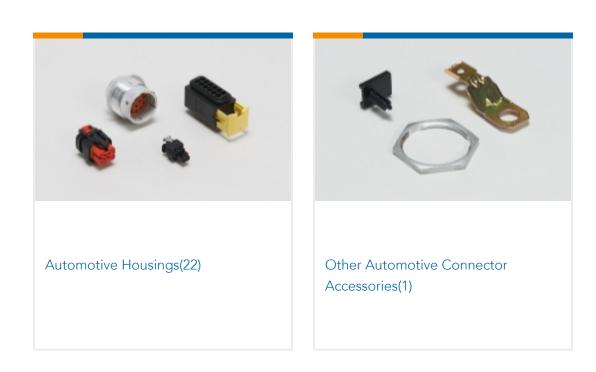


Other Automotive Connector Accessories(27)



Also in the Series | DEUTSCH DTHD





Customers Also Bought

















Documents

Product Drawings
PLUG, INLINE, KEY C

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DTSK06-1-08SC_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DTSK06-1-08SC_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DTSK06-1-08SC_C.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use



Datasheets & Catalog Pages

DEUTSCH DTSK Connectors Series Brief

English

ICT Terminals and Connectors Catalogue

English

DEUTSCH DTSK Components Infographic

English

Product Specifications

Application Specification

English