DTHD06-1-4S-E003 ✓ ACTIVE



DEUTSCH | DEUTSCH DT, DEUTSCH DTHD

TE Internal #: DTHD06-1-4S-E003

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

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Connector System: Wire-to-Wire

Number of Positions: 1

Connector & Housing Type: Housing for Female Terminals

Sealable: Yes

Mating Pin Diameter: 5.72 mm [.225 in]

All DEUTSCH DTHD Housings (14)

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Circular
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

Connector Modification	End Cap
Number of Positions	1
Number of Rows	0

Electrical Characteristics

Operating Voltage	250 VAC	



Body Features Cable Fixit Angle 160° Primary Product Color Risck Contact Features Contact Type Socket Mating Pin Diameter 5.72 mm, 225 inj Contact Gurrent Rating (Max) 100 A Mechanical Attachment Terminal Position Assurance No Strain Relief With Mating Alignment Type Polarized Mating Features Housing Features Housing Material Product Relief With Connector Mounting Type Cable Mount (Free Hanging) Housing Features Housing Material Product Width 22.23 mm, 18.95 inj Product Width 22.23 mm, 18.95 inj Compatible Insulation Diameter Range 6.63 – 10.67 mm 261 – 42 inj Usage Conditions Cperating Temperature (Max) 125 °C(257 °F) Operation / Application Circuit Application Condeticy Standards Degree of Protection Not Lescod UL Hammabilty Rating Not testod		
Body Features 180° Primary Product Color Black Contact Features Size 4 Contact Size Size 4 Contact Type Sacket Mating Pin Diameter 5.72 mm[,225 in] Contact Current Rating (Max) 100 A Mechanical Attachment Terminal Position Assurance Terminal Position Assurance No Strain Rollet With Mating Alignment Type Polarized Mating Alignment With Connector Mounting Type Cable Mount (Free-Hanging) Housing Features FPI (Polyetherimide) Dimensions PPI (Polyetherimide) Connector Height 27.33 mm[1.076 in] Product Vioith 22.23 mm[,875 in] Product Vioith 22.23 mm[,875 in] Usage Conditions 39.37 mm[1.548 in] Usage Conditions Usage Conditions Operating Temperature (Max) 125 °C[257 °F] Operating Temperature Range -55 - 125 °C[-67 - 257 °F] Operating Temperature Range -55 - 125 °C[-67 - 257 °F] Operating Valuation </td <td>Nominal Voltage Architecture</td> <td>12 V, 24 V, 48 V</td>	Nominal Voltage Architecture	12 V, 24 V, 48 V
Cable Exit Angle 180° Primary Product Color Black Contact Features Contact Features Contact Type Socket Mating Pin Diameter 5.72 mm[.225 in] Contact Current Rating (Max) 100 A Mechanical Attachment Terminal Position Assurance No Strain Relief With Mating Alignment Type Polarized Mating Alignment Type Cable Mount (Free Hanging) Housing Features Housing Material PEL (Polyetherimide) Dimensions Connector Height 27.33 mm[1.076 in] Product Length 39.39 mm[1.548 in] Compatible Insulation Diameter Range 6.63 – 10.67 mm[.261 – 42 in] Usage Conditions Operating Temperature (Max) 125 °C[.257 °F] Operating Temperature Range 55 125 °C[.67 – 257 °F] Operating Temperature Range Power Industry Standards Degree of Protection Not Tested		
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Contact Size Contact Type Socket Mating Pin Diameter 5.72 mm, 225 inj Contact Current Rating (Max) 100 A Mechanical Attachment Terminal Position Assurance No Strain Relief With Mating Alignment Type Polarized Mating Alignment Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material PEI (Polyethermide) Dimensions Connector Height 27.33 mm, [875 inj Product Width 22.23 mm, [875 inj Product Length Compatible Insulation Diameter Range Usage Conditions Usage Conditions Operating Temperature (Max) Operating Temperature Range Power Industry Standards Degree of Protection Not Tested		Black
Contact Type Socket Mating Pin Diameter 5.72 mml, 225 in Contact Current Rating (Max) 100 A Mechanical Attachment Terminal Position Assurance No Strain Relief With Mating Alignment Type Polarized Mating Alignment Type Cable Mount (Free-Hanging) Housing Alignment With Connector Mounting Type Cable Mount (Free-Hanging) Housing Material PEI (Polyetherimide) Dimensions Connector Height 27.33 mm[1.076 in] Product Width 22.23 mm[8.75 in] Product I ength 39.32 mm[1.548 in] Compatible Insulation Diameter Range 6.63 – 10.67 mm[.261 – .42 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 Not Tested	Contact Features	
Mating Pin Diameter 5.72 mm[.225 in] Contact Current Rating (Max) 100 A Mechanical Attachment Terminal Position Assurance No Strain Reliel With Mating Alignment Type Polarized Mating Alignment Type Cable Mount (Free Hanging) Housing Alignment Connector Mounting Type Cable Mount (Free Hanging) Housing Features Housing Material PEI (Polyetherimide) Dimensions Connector Height 27.33 mm[1.076 in] Product Width 22.23 mm[.875 in] Product Length 39.32 mm[1.548 in] Compatible Insulation Diameter Range 6.63 – 10.67 mm[.261 – .42 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 Not Tested	Contact Size	Size 4
Contact Current Rating (Max) Mechanical Attachment Terminal Position Assurance No Strain Relief With Mating Alignment Type Mating Alignment Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material PEI (Polyetherimide) Dimensions Connector Height 27.33 mm[1.076 in] Product Width 22.23 mm[875 in] Product Length 39.32 mm[1.548 in] Compatible Insulation Diameter Range 6.63 – 10.67 mm[.261 – .42 in] Usage Conditions Operating Temperature (Max) Operating Temperature Range 7.55 – 125 °C[-67 – 257 °F] Operating Temperature Range Operation/Application Circuit Application Power Industry Standards Degree of Protection Not Tested	Contact Type	Socket
Mechanical Attachment Terminal Position Assurance Strain Relief With Mating Alignment Type Polarized Mating Alignment With Connector Mounting Type Cable Mount (Free Hanging) Housing Features Housing Material PEL (Polyetherimide) Dimensions Connector Height 27.33 mm[1.076 in] Product Width 22.23 mm[.875 in] Product Length 39.32 mm[1.548 in] Compatible Insulation Diameter Range 6.63 – 10.67 mm[.261 – 42 in] Usage Conditions Operating Temperature (Max) Operating Temperature Range 55 – 125 °C[67 – 257 °F] Operating Application Circuit Application Power Industry Standards Degree of Protection Not Tested		5.72 mm[.225 in]
Terminal Position Assurance Strain Relief With Mating Alignment Type Polarized Mating Alignment With Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material PEI (Polyetherimide) Dimensions Connector Height 27.33 mm[1.076 in] Product Width 22.23 mm[875 in] Product Length 39.32 mm[1.548 in] Compatible Insulation Diameter Range Operating Temperature (Max) Operating Temperature Range -55 – 125 °C[-67 – 257 °F] Operation/Application Circuit Application Industry Standards Degree of Protection Not Tested	Contact Current Rating (Max)	100 A
Strain Relief With Mating Alignment Type Polarized Mating Alignment With Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material PEI (Polyetherimide) Dimensions Connector Height 27.33 mm[1.076 in] Product Width 22.23 mm[875 in] Product Length 39.32 mm[1.548 in] Compatible Insulation Diameter Range 6.63 – 10.67 mm[.261 – .42 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 Not Tested	Mechanical Attachment	
Mating Alignment Type Mating Alignment With Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material PEI (Polyetherimide) Dimensions Connector Height 27,33 mm[1.076 in] Product Width 22,23 mm[875 in] Product Length 39,32 mm[1.548 in] Compatible Insulation Diameter Range 6.63 – 10.67 mm[.261 – .42 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 Not Tested	Terminal Position Assurance	No
Mating Alignment Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material PEI (Polyetherimide) Dimensions Connector Height 27 .33 mm[1.076 in] Product Width 22.23 mm[.875 in] Product Length 39.32 mm[1.548 in] Compatible Insulation Diameter Range 4.63 – 10.67 mm[.261 – .42 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 Not Tested	Strain Relief	With
Connector Mounting Type Housing Features Housing Material PEI (Polyetherimide) Dimensions Connector Height 27.33 mm[1.076 in] Product Width 22.23 mm[.875 in] Product Length 39.32 mm[1.548 in] Compatible Insulation Diameter Range 6.63 – 10.67 mm[.261 – .42 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 Not Tested	Mating Alignment Type	Polarized
Housing Features Housing Material PEI (Polyetherimide) Dimensions Connector Height 27.33 mm[1.076 in] Product Width 22.23 mm[.875 in] Product Length 39.32 mm[1.548 in] Compatible Insulation Diameter Range 6.63 – 10.67 mm[.261 – .42 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 Not Tested	Mating Alignment	With
Housing Material PEI (Polyetherimide) Dimensions Connector Height 27.33 mm[1.076 in] Product Width 22.23 mm[.875 in] Product Length 39.32 mm[1.548 in] Compatible Insulation Diameter Range 6.63 – 10.67 mm[.261 – .42 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 Not Tested	Connector Mounting Type	Cable Mount (Free-Hanging)
Dimensions Connector Height 27.33 mm[1.076 in] Product Width 22.23 mm[.875 in] Product Length 39.32 mm[1.548 in] Compatible Insulation Diameter Range 6.63 – 10.67 mm[.261 – .42 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 Not Tested	Housing Features	
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Product Width 22.23 mm[.875 in] Product Length 39.32 mm[1.548 in] Compatible Insulation Diameter Range 6.63 – 10.67 mm[.261 – .42 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 Not Tested	Dimensions	
Product Length 39.32 mm[1.548 in] Compatible Insulation Diameter Range 6.63 – 10.67 mm[.261 – .42 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 Not Tested	Connector Height	27.33 mm[1.076 in]
Compatible Insulation Diameter Range 6.63 – 10.67 mm[.261 – .42 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 Not Tested	Product Width	22.23 mm[.875 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 Not Tested	Product Length	39.32 mm[1.548 in]
Operating Temperature (Max) Operating Temperature Range -55 – 125 °C[-67 – 257 °F] Operation/Application Circuit Application Power Industry Standards Degree of Protection Not Tested	Compatible Insulation Diameter Range	6.63 – 10.67 mm[.261 – .42 in]
Operating Temperature Range -55 – 125 °C[-67 – 257 °F] Operation/Application Circuit Application Power Industry Standards Degree of Protection Not Tested	Usage Conditions	
Operation/Application Circuit Application Power Industry Standards Degree of Protection Not Tested	Operating Temperature (Max)	125 °C[257 °F]
Circuit Application Power Industry Standards Degree of Protection Not Tested	Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
Industry Standards Degree of Protection Not Tested	Operation/Application	
Degree of Protection Not Tested	Circuit Application	Power
	Industry Standards	
UL Flammability Rating Not tested	Degree of Protection	Not Tested
	UL Flammability Rating	Not tested
Packaging Features	Packaging Features	



Packaging Quantity	800	
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) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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-PCH8172
DEUTSCH DTHD Housings



TE Part # 114019-ZZ SEALING PLUG, SIZE 4, WHT



Also in the Series | DEUTSCH DT



Automotive Connector Caps & Covers (19)



Automotive Connector Locks & Position Assurance(74)



Automotive Housings(620)



Connector Backshells(58)



Connector Seals & Cavity Plugs(6)



Connector Strain Relief(28)



Insertion & Extraction Tools(3)



Other Automotive Connector Accessories(27)



Also in the Series | DEUTSCH DTHD

09/21/2023 09:26AM | Page 4



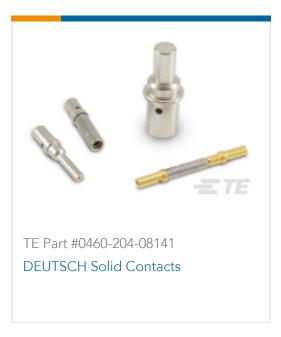


Customers Also Bought



















Documents

Product Drawings

PLG, 1P, BLK, N, SIZE 4, CAP

English

PLG, 1P, BLK, N, SIZE 4, CAP

English

CAD Files

Customer View Model

ENG_CVM_CVM_DTHD06-1-4S-E003_99.2d_dxf.zip

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



English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DTHD06-1-4S-E003_99.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DTHD06-1-4S-E003_99.3d_stp.zip

English

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

Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English