HD36-24-35SN-059 ✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HD30

TE Internal #: HD36-24-35SN-059

Housing for Female Terminals, Wire-to-Wire, 35 Position, Sealable,

Wire & Cable, Power & Signal, Cable Mount (Free-Hanging)

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Connector & Housing Type: Housing for Female Terminals

Mating Pin Diameter: 1.02 mm, 1.59 mm [.04 in, .063 in]

Connector System: Wire-to-Wire

Number of Positions: 35

Sealable: **Yes**

All DEUTSCH HD30 HOUSINGS (357)

Features

Product Type Features

Connector Shape	Circular
Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Wire
Sealable	Yes
Hybrid Connector	Yes
Primary Locking Feature	Contact Retainer
Connector & Contact Terminates To	Wire & Cable
Hybrid Connector Primary Locking Feature	Yes Contact Retainer

Configuration Features

Blank Cavity Position	0
Connector Modification	Cable Clamp
Connector Seal Code	N Seal
Number of Positions	35

Electrical Characteristics



Operating Voltage 250 VAC Nominal Voltage Architecture 12 V, 24 V Body Features 3 180° Contact Features 5 160° Contact Features 5 160° Contact Type Socket Mating Pin Diameter 1,02 mm, 1,59 mm[,04 in][,063 in] Contact Current Rating (Max) 7,5 A, 13 A Mechanical Attachment Terminal Position Assurance Terminal Position Assurance No Strain Relief With Mating Alignment Type Guide Slot Mating Alignment With Connector Mounting Type Cabla Mount (Free-Hanging) Housing Material Aluminum Dimensions Connector Height 49.32 mm[1.942 in] Product Length 81.05 mm[3.191 in] Accepts Wire Insulation Diameter Range 1.02 – 2.41 mm, 2.54 – 3.4 mm[,04 – .095 in], 1.134 in] 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]		
Gable Exit Angle 180° Contact Features Contact Size Size 16, Size 20 Contact Type Socket Mating Pin Diameter 1.02 mm, 1.59 mm[.04 in][.063 in] Contact Current Rating (Max) 7.5 A, 13 A Mechanical Attachment Terminal Position Assurance No Strain Relief With Mating Alignment Type Guide Slot Mating Alignment With Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material Aluminum Dimensions Connector Height 49.32 mm[1.942 in] Product Width 49.32 mm[1.942 in] Product Length 81.05 mm[3.191 in] Accepts Wire Insulation Diameter Range 1.02 – 2.41 mm, 2.54 – 3.4 mm[.04 – .095 in][. 1 – 1.134 in] Usage Conditions Operating Temperature (Max) 125 °C(257 °T] Operating Temperature Range -55 – 125 °C(-67 – 257 °F)	Operating Voltage	250 VAC
Contact Features Contact Size Size 16, Size 20 Contact Type Socket Mating Pin Diameter 1.02 mm, 1.59 mm[.04 in][.063 in] Contact Current Rating (Max) 7.5 A, 13 A Mechanical Attachment Terminal Position Assurance No Strain Relief With Mating Alignment Uype Guide Slot Mating Alignment With Connector Mounting Type Cable Mount (Free Hanging) Housing Features Housing Material Aluminum Dimensions Connector Height 49.32 mm[1.942 in] Product Width 49.32 mm[1.942 in] Product Length 81.05 mm[3.191 in] Accepts Wire Insulation Diameter Range 1.02 – 2.41 mm, 2.54 – 3.4 mm[.04 – .095 in][. 1 – 1.34 in] Usage Conditions Operating Temperature (Max) 125 °C[.257 °F] Operating Temperature Range -55 – 125 °C[-67 – 257 °F]	Nominal Voltage Architecture	12 V, 24 V
Contact Size Contact Type Socket Mating Pin Diameter Contact Current Rating (Max) Mechanical Attachment Terminal Position Assurance No Strain Relief With Mating Alignment Type Guide Slot With Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material Aluminum Dimensions Connector Height Product Writh 49.32 mm[1.942 in] Product Length Alcepts Wire Insulation Diameter Range Operating Temperature (Max) Operating Temperature Range Size 16, Size 20 Socket Socket Socket Socket Alum, 1.59 mm[.04 in][.063 in] Aluminum No Aluminum Product Guide Slot With 49.32 mm[1.942 in] 1.02 – 2.41 mm, 2.54 – 3.4 mm[.04 – .095 in][. 1 – .134 in] Usage Conditions Operating Temperature (Max) Operating Temperature Range -55 – 125 °C[-67 – 257 °T]	Body Features	
Contact Size Size 16, Size 20 Contact Type Socket Mating Pin Diameter 1.02 mm, 1.59 mm[.04 in][.063 in] Contact Current Rating (Max) 7.5 A, 13 A Mechanical Attachment Terminal Position Assurance No Strain Relief With Mating Alignment Type Guide Slot Mating Alignment With Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Aluminum Dimensions Connector Height 49.32 mm[1.942 in] Product Width 49.32 mm[1.942 in] Product Length 81.05 mm[3.191 in] Accepts Wire Insulation Diameter Range 1.02 – 2.41 mm, 2.54 – 3.4 mm[.04 – .095 in][. 1 – .134 in] Usage Conditions Operating Temperature (Max) 125 °C[257 °F] Operating Temperature Range 55 – 125 °C[67 – 257 °F]	Cable Exit Angle	180°
Contact Type Socket Mating Pin Diameter 1.02 mm, 1.59 mm[.04 in][.063 in] Contact Current Rating (Max) 7.5 A, 13 A Mechanical Attachment Terminal Position Assurance No Strain Relief With Mating Alignment Type Guide Slot Mating Alignment Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material Aluminum Dimensions Connector Height 49.32 mm[1.942 in] Product Width 49.32 mm[1.942 in] Product Length 81.05 mm[3.191 in] Accepts Wire Insulation Diameter Range Usage Conditions Operating Temperature (Max) 125 °C[257 °F] Operating Temperature Range	Contact Features	
Mating Pin Diameter Contact Current Rating (Max) 7.5 A, 13 A Mechanical Attachment Terminal Position Assurance No Strain Relief With Mating Alignment Type Guide Slot Mating Alignment Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material Aluminum Dimensions Connector Height 49.32 mm[1.942 in] Product Length Accepts Wire Insulation Diameter Range 1.02 – 2.41 mm, 2.54 – 3.4 mm[.04 – .095 in][. 1 – .134 in] Usage Conditions Operating Temperature (Max) 125 °C 257 °F Operating Temperature Range	Contact Size	Size 16, Size 20
Contact Current Rating (Max) Mechanical Attachment Terminal Position Assurance No Strain Relief With Mating Alignment Type Guide Slot Mating Alignment Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material Aluminum Dimensions Connector Height 49.32 mm[1.942 in] Product Width 49.32 mm[1.942 in] Product Length Accepts Wire Insulation Diameter Range 1.02 – 2.41 mm, 2.54 – 3.4 mm[.04 – .095 in][. 1 – .134 in] Usage Conditions Operating Temperature (Max) Operating Temperature Range	Contact Type	Socket
Mechanical Attachment Terminal Position Assurance No Strain Relief With Mating Alignment Type Guide Slot Mating Alignment With Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material Aluminum Dimensions Connector Height 49.32 mm[1.942 in] Product Width 49.32 mm[1.942 in] Product Length 81.05 mm[3.191 in] Accepts Wire Insulation Diameter Range 1.02 - 2.41 mm, 2.54 - 3.4 mm[.04095 in][. 1134 in] Usage Conditions Operating Temperature (Max) 125 °C[257 °F] Operating Temperature Range	Mating Pin Diameter	1.02 mm, 1.59 mm[.04 in][.063 in]
Terminal Position Assurance Strain Relief With Mating Alignment Type Guide Slot Mating Alignment With Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material Aluminum Dimensions Connector Height 49.32 mm[1.942 in] Product Width 49.32 mm[1.942 in] Product Length 81.05 mm[3.191 in] Accepts Wire Insulation Diameter Range 1.02 - 2.41 mm, 2.54 - 3.4 mm[.04095 in][. 1134 in] Usage Conditions Operating Temperature (Max) 125 °C[257 °F] Operating Temperature Range	Contact Current Rating (Max)	7.5 A, 13 A
Strain Relief With Mating Alignment Type Guide Slot Mating Alignment With Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material Aluminum Dimensions Connector Height 49.32 mm[1.942 in] Product Width 49.32 mm[1.942 in] Product Length 81.05 mm[3.191 in] Accepts Wire Insulation Diameter Range 1.02 – 2.41 mm, 2.54 – 3.4 mm[.04 – .095 in][. 1 – .134 in] Usage Conditions Operating Temperature (Max) 125 °C[257 °F] Operating Temperature Range -55 – 125 °C[-67 – 257 °F]	Mechanical Attachment	
Mating Alignment Type Mating Alignment With Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material Aluminum Dimensions Connector Height 49.32 mm[1.942 in] Product Width 49.32 mm[1.942 in] Product Length 81.05 mm[3.191 in] Accepts Wire Insulation Diameter Range 1.02 – 2.41 mm, 2.54 – 3.4 mm[.04 – .095 in][. 1 – .134 in] Usage Conditions Operating Temperature (Max) 125 °C[257 °F] Operating Temperature Range	Terminal Position Assurance	No
Mating Alignment Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material Aluminum Dimensions Connector Height 49.32 mm[1.942 in] Product Width 49.32 mm[1.942 in] Product Length 81.05 mm[3.191 in] Accepts Wire Insulation Diameter Range 1.02 - 2.41 mm, 2.54 - 3.4 mm[.04095 in][. 1134 in] Usage Conditions Operating Temperature (Max) 125 °C[257 °F] Operating Temperature Range	Strain Relief	With
Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material Aluminum Dimensions Connector Height 49.32 mm[1.942 in] Product Width 49.32 mm[1.942 in] Product Length 81.05 mm[3.191 in] Accepts Wire Insulation Diameter Range 1.02 – 2.41 mm, 2.54 – 3.4 mm[.04 – .095 in][.1 – .134 in] Usage Conditions Operating Temperature (Max) 125 °C[257 °F] Operating Temperature Range -55 – 125 °C[-67 – 257 °F]	Mating Alignment Type	Guide Slot
Housing Features Housing Material Aluminum Dimensions Connector Height 49.32 mm[1.942 in] Product Width 49.32 mm[1.942 in] Product Length 81.05 mm[3.191 in] Accepts Wire Insulation Diameter Range 1.02 – 2.41 mm, 2.54 – 3.4 mm[.04 – .095 in][. 1 – .134 in] Usage Conditions Operating Temperature (Max) 125 °C[257 °F] Operating Temperature Range -55 – 125 °C[-67 – 257 °F]	Mating Alignment	With
Housing Material Aluminum Dimensions Connector Height 49.32 mm[1.942 in] Product Width 49.32 mm[1.942 in] Product Length 81.05 mm[3.191 in] Accepts Wire Insulation Diameter Range 1.02 – 2.41 mm, 2.54 – 3.4 mm[.04 – .095 in][. 1 – .134 in] Usage Conditions Operating Temperature (Max) 125 °C[257 °F] Operating Temperature Range -55 – 125 °C[-67 – 257 °F]	Connector Mounting Type	Cable Mount (Free-Hanging)
Dimensions Connector Height 49.32 mm[1.942 in] Product Width 49.32 mm[1.942 in] Product Length 81.05 mm[3.191 in] Accepts Wire Insulation Diameter Range 1.02 – 2.41 mm, 2.54 – 3.4 mm[.04 – .095 in][. 1 – .134 in] Usage Conditions Operating Temperature (Max) 125 °C[257 °F] Operating Temperature Range -55 – 125 °C[-67 – 257 °F]	Housing Features	
Connector Height 49.32 mm[1.942 in] Product Width 49.32 mm[1.942 in] Product Length 81.05 mm[3.191 in] Accepts Wire Insulation Diameter Range 1.02 – 2.41 mm, 2.54 – 3.4 mm[.04 – .095 in][. 1 – .134 in] Usage Conditions Operating Temperature (Max) 125 °C[257 °F] Operating Temperature Range -55 – 125 °C[-67 – 257 °F]	Housing Material	Aluminum
Product Width 49.32 mm[1.942 in] Product Length 81.05 mm[3.191 in] Accepts Wire Insulation Diameter Range 1.02 – 2.41 mm, 2.54 – 3.4 mm[.04 – .095 in][. 1 – .134 in] Usage Conditions Operating Temperature (Max) 125 °C[257 °F] Operating Temperature Range -55 – 125 °C[-67 – 257 °F]	Dimensions	
Product Length 81.05 mm[3.191 in] Accepts Wire Insulation Diameter Range 1.02 – 2.41 mm, 2.54 – 3.4 mm[.04 – .095 in][. 1 – .134 in] Usage Conditions Operating Temperature (Max) 125 °C[257 °F] Operating Temperature Range -55 – 125 °C[-67 – 257 °F]	Connector Height	49.32 mm[1.942 in]
Accepts Wire Insulation Diameter Range $1.02-2.41 \text{ mm, } 2.54-3.4 \text{ mm}[.04095 \text{ in}][.\\1134 \text{ in}]$ Usage Conditions $0 \text{ Operating Temperature (Max)}$ $125 \text{ °C}[257 \text{ °F}]$ $-55-125 \text{ °C}[-67-257 \text{ °F}]$	Product Width	49.32 mm[1.942 in]
Usage Conditions Operating Temperature (Max) Operating Temperature Range -55 – 125 °C[-67 – 257 °F]	Product Length	81.05 mm[3.191 in]
Operating Temperature (Max) 125 °C[257 °F] Operating Temperature Range -55 – 125 °C[-67 – 257 °F]	Accepts Wire Insulation Diameter Range	
Operating Temperature Range -55 – 125 °C[-67 – 257 °F]	Usage Conditions	
	Operating Temperature (Max)	125 °C[257 °F]
Operation/Application	Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
	Operation/Application	
Circuit Application Power & Signal	Circuit Application	Power & Signal
Industry Standards	Industry Standards	
Degree of Protection IP67	Degree of Protection	IP67
Packaging Features	Packaging Features	
Packaging Quantity 80	Packaging Quantity	80



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: JUNE 2022 (224) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.4% 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 # CAT-H3930-CH8172 DEUTSCH HD30 HOUSINGS



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





Also in the Series | DEUTSCH HD



Automotive Connector Caps & Covers (63)



Automotive Housings(742)



Automotive Seals & Cavity Plugs(10)



Insertion & Extraction Tools(11)



Other Automotive Connector Accessories(11)



PCB Headers & Receptacles(1)

Also in the Series | DEUTSCH HD30





Automotive Connector Caps & Covers (18)

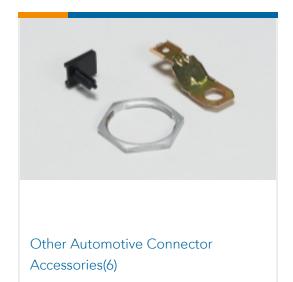


Automotive Housings(359)



Automotive Seals & Cavity Plugs(11)





Customers Also Bought



TE Part #HDP26-24-31PE-L017 PLG, 31P, BLK, E, RNG, 16, P



TE Part #DRC26-50S0 PLG, 50P, BLK, N, 04



TE Part #1011-239-0605
DEUTSCH DT BACKSHELLS





TE Part #HD46-24-16SN-059 KT PL HD30 24 SHL 16 WY N SEAL CLMP

Documents

Product Drawings

PLG,35P,AL,N, CBLCLMPBT,DRAIN,16/20,S,MC

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_HD36-24-35SN-059_A.2d_dxf.zip

Housing for Female Terminals, Wire-to-Wire, 35 Position, Sealable, Wire & Cable, Power & Signal, Cable Mount (Free-Hanging)



English

Customer View Model

ENG_CVM_CVM_HD36-24-35SN-059_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_HD36-24-35SN-059_A.3d_stp.zip

English

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Product Specifications

Application Specification

English