

HD36-24-31ST-059

✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HD30

TE Internal #: HD36-24-31ST-059

Housing for Female Terminals, Wire-to-Wire, 31 Position, Sealable, Wire & Cable, Power & Signal, Cable Mount (Free-Hanging), Hybrid

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HD30 Housings



Connector System: **Wire-to-Wire**
Number of Positions: **31**
Connector & Housing Type: **Housing for Female Terminals**
Sealable: **Yes**
Mating Pin Diameter: **1.59 mm [.063 in]**

[All DEUTSCH HD30 Housings \(358\)](#)

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	Contact Retainer

Configuration Features

Blank Cavity Position	0
Connector Modification	Cable Clamp
Connector Seal Code	T Seal
Number of Positions	31

Electrical Characteristics

Operating Voltage	250 VAC
Nominal Voltage Architecture	12 V, 24 V

Body Features

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Cable Exit Angle	180°
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Contact Features

Contact Size	Size 16
Contact Type	Socket
Mating Pin Diameter	1.59 mm[.063 in]
Contact Current Rating (Max)	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
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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]
Compatible Insulation Diameter Range	2.23 - 2.69 mm[.088 - .106 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal
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Industry Standards

Degree of Protection	IP67
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Packaging Features

Packaging Quantity	80
Packaging Method	Box

Other

Serviceable	Yes
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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 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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 # CAT-H3930-CH8172
DEUTSCH HD30 Housings

TE Part # CAT-J67-DSCC16
DEUTSCH Size 16 Crimp Contacts

TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts

TE Part # CAT-H3930-PC8382
Plug Protective Caps - DEUTSCH HD30

TE Part # 114017-ZZ
SEALING PLUG, SIZE 12/16, WHT

TE Part # 1062-14-0177
SOC, SF, SIZE 16, 14-18, SN/SN

Also in the Series | DEUTSCH HD

Automotive Connector Caps & Covers
(32)

Automotive Housings(768)

Connector Backshells(29)

Connector Seals & Cavity Plugs(10)

Connector Strain Relief(5)

Insertion & Extraction Tools(11)

Other Automotive Connector
Accessories(11)

PCB Headers & Receptacles(1)

Also in the Series | DEUTSCH HD30



Automotive Connector Caps & Covers (14)



Automotive Housings(359)



Connector Backshells(2)



Connector Seals & Cavity Plugs(11)



Connector Strain Relief(5)



Insertion & Extraction Tools(10)



Other Automotive Connector Accessories(6)

Customers Also Bought



TE Part # HD34-24-31PT
DEUTSCH HD30 Housings



TE Part # HDP26-24-19SN-L017
PLG, 19P, BLK, N, RNG, 12/16, S



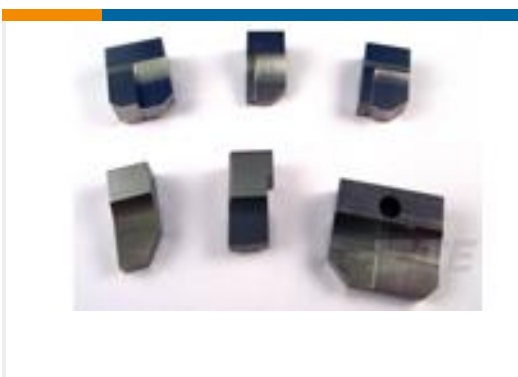
TE Part # DRC26-40SB-L011
PLG, 40P, BLK, N, ROUTER CAP, B



TE Part # DTCE04-1-8P-E003
DTCE RECP ASM



TE Part # DTCE06-1-8S-E003
DTCE PLUG ASM



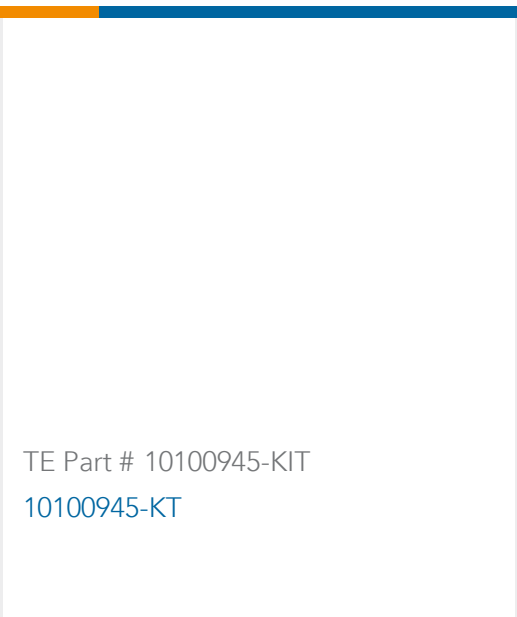
TE Part # 1-1633921-2
ANVIL, COMBINATION



TE Part # 1803058-6
ANVIL COMBINATION



TE Part # 2294562-2
UMNL TWIST-N-LOK, 5POS, CAP
HOUSING



TE Part # 10100945-KIT
10100945-KT

Documents



Product Drawings

PLG,31P,AL,T, CBL CLMP BT, DRAIN,16,S,MC

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_HD36-24-31ST-059_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_HD36-24-31ST-059_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_HD36-24-31ST-059_B.3d_stp.zip

English

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Product Specifications

Application Specification

English