HD34-24-31ST ✔ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HD30

TE Internal #: HD34-24-31ST

12 V / 24 V, 31 Position, Automotive Housing for Female Terminals, Wire-to-Panel, Sealable, Wire & Cable, Power, Panel Mount, Hybrid

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Automotive Parts > Automotive Connectors > Automotive Housings > DEUTSCH HD30 Housings



Nominal Voltage Architecture: **12 V, 24 V**

Connector & Housing Type: **Housing for Female Terminals**

Number of Positions: **31**

Sealable: **Yes**

Operating Temperature Range: **-55 – 125 °C [-67 – 257 °F]**

All DEUTSCH HD30 Housings (358)

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Circular
Connector & Housing Type	Housing for Female Terminals
Sealable	Yes
Primary Locking Feature	Integrated in Housing
Connector System	Wire-to-Panel
Connector & Contact Terminates To	Wire & Cable

Configuration Features

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

Electrical Characteristics

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

Body Features

Cable Exit Angle	180°

Contact Features

Contact Size	Size 16
Contact Type	Socket
Mating Pin Diameter	1.6 mm[.063 in]
Contact Current Rating (Max)	13 A

Mechanical Attachment

Strain Relief	Without
Terminal Position Assurance	No
Mating Alignment Type	Polarizing Slot
Mating Alignment	With
Connector Mounting Type	Panel Mount

Housing Features

Housing Material	Aluminum Alloy

Dimensions

Compatible Insulation Diameter Range	1.4 – 3.8 mm[.055 – .15 in]
Product Width	47.6 mm[1.87 in]
Product Length	50.8 mm[2 in]
Connector Height	41.8 mm[1.64 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

IP Rating	IP67

Packaging Features

Packaging Quantity	1
Packaging Method	Package

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part) Decamethylcyclopentasiloxane (D5) (.5% in Component Part) Octamethylcyclotetrasiloxane (D4) (.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

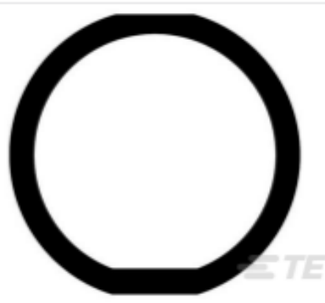
TE Part # 1062-14-0177
SOC, SF, SIZE 16, 14-18, SN/SN



TE Part # CAT-H3930-RC8382
Receptacle Protective Caps - DEUTSCH HD30



TE Part # CAT-H3930-M8649
Mounting Hardware for DEUTSCH HD30 Connectors



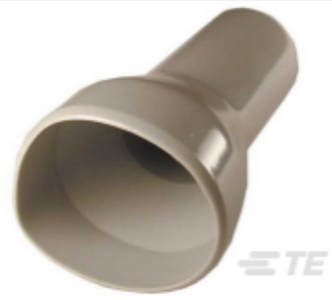
TE Part # 16-04477
GASKET, 24SZ, BLK, HD30



TE Part # HD30-24BT-BK
BOOT, 24SZ, ST, BLK



TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part # HD30-24BT
BOOT, 24SZ, ST, GRY



TE Part # HD30-24BT-90-BK
BOOT, 24SZ, RA, BLK



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



TE Part # CAT-D48-SFT273
DEUTSCH Stamped and Formed Contacts



TE Part # 1062-16-1422
SOC, SF, SIZE 16, 12-16, SLVLES, NI/NI

TE Part # 62036-40
62036 HDP24 FLANGE-SEAL silicone 60shore



TE Part # CAT-H3930-CH8172
DEUTSCH HD30 Housings



TE Part # WHDS-24-1
STRAIN RELIEF, HD30, 24SZ, ST



TE Part # WHDS-24-2
STRAIN RELIEF, HD30, 24SZ, RA

Also in the Series | DEUTSCH HD



Automotive Connector Caps & Covers (10)



Automotive Housings(453)

Also in the Series | DEUTSCH HD30



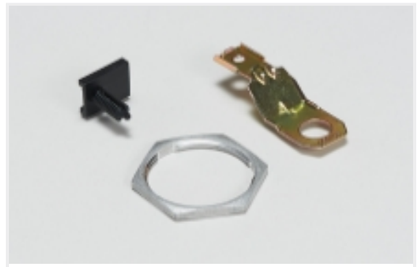
Automotive Housings(453)



Automotive Seals & Cavity Plugs(11)



Connector Strain Relief(6)



Other Automotive Connector Accessories(12)

Customers Also Bought



TE Part #CAT-H3930-CH8172
DEUTSCH HD30 Housings



TE Part #112264-ZZ
LOCKWASHER, SIZE 24, HD30

Documents

Product Drawings

REC, 31P, AL, T, 16, S

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_HD34-24-31ST_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_HD34-24-31ST_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_HD34-24-31ST_A.3d_stp.zip

English

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

Datasheets & Catalog Pages

DEUTSCH HD30 & HDP20 CONNECTOR SERIES

English

ICT Terminals and Connectors Catalogue

English

Product Specifications

Application Specification

English