

HDP24-24-31SE-L015

✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HDP

TE Internal #: HDP24-24-31SE-L015

31 Position Housing, Housing for Female Terminals, Wire-to-Panel,
Sealable, Black, Wire & Cable, Power, Panel Mount, -55 – 125 °C
[-67 – 257 °F]

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HDP20 Housings



Number of Positions: 31

Connector & Housing Type: Housing for Female Terminals

Mating Pin Diameter: 1.6 mm [.063 in]

Connector System: Wire-to-Panel

Sealable: Yes

[All DEUTSCH HDP20 Housings \(357\)](#)

Features

Product Type Features

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

Configuration Features

Blank Cavity Position	0
Connector Modification	Threaded Adapter
Connector Seal Code	E Seal
Number of Positions	31

Electrical Characteristics

Operating Voltage	250 VDC
Nominal Voltage Architecture	12 V, 24 V, 48 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Black

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	PA 66 GF
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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	58.7 mm[2.31 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power
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Industry Standards

IP Rating	IP67
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	30
Packaging Method	Tray

Other

Serviceable	Yes
Connector Position Assurance Capable	No

Product Compliance

For compliance documentation, visit the product page on [TE.com](#)>

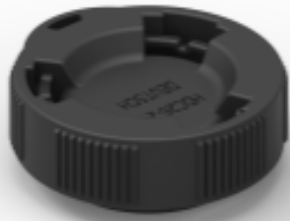
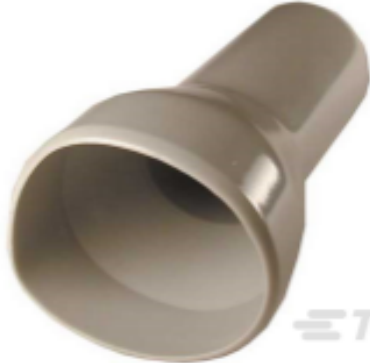
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Dodecamethylcyclohexasiloxane (D6) (.5% in 27519511680) Decamethylcyclopentasiloxane (D5) (.5% in 27519511680) Octamethylcyclotetrasiloxane (D4) (.5% in 27519511680) 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-H3910-B128 DEUTSCH HD10 Backshells	 TE Part # 16-04477 GASKET, 24SZ, BLK, HD30	 TE Part # 24-D-PUNCH D-HOLE PUNCH, SIZE 24	 TE Part # HD30-24BT-BK BOOT, 24SZ, ST, BLK
 TE Part # CAT-H396-RC8382 Receptacle Protective Caps — DEUTSCH HDP20	 TE Part # HD30-24BT-90-BK BOOT, 24SZ, RA, BLK	 TE Part # HD30-24BT BOOT, 24SZ, ST, GRY	 TE Part # SRN21 SEAL RING, CONDUIT ADAPTER, NW22
 TE Part # 62036-40 62036 HDP24 FLANGE-SEAL silicone 60shore	 TE Part # CAT-H396-CH8172 DEUTSCH HDP20 Housings	 TE Part # 0411-204-1605 EXT TOOL, SIZE 16, 16-18 AWG, N, DRK BLU	 TE Part # CAT-D48-SP729 DEUTSCH Sealing Plugs
 TE Part # 0411-336-1605 EXT TOOL, SIZE 16, 16-20 AWG, E, DRK BLU	 TE Part # CAT-H396-B128 DEUTSCH HDP20 Backshells		

Also in the Series | **DEUTSCH HD**

 Automotive Headers(1)	 Automotive Housings(357)	 Connector Seals & Cavity Plugs(1)	 Connector Strain Relief(5)
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Insertion & Extraction Tools(11)



Other Automotive Connector Accessories(6)



PCB Headers & Receptacles(1)



Wire-to-Board Headers & Receptacles (1)

Also in the Series | **DEUTSCH HDP**



Automotive Connector Caps & Covers (4)



Automotive Housings(357)



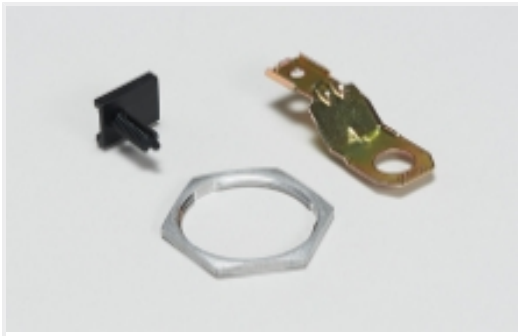
Connector Backshells(10)



Connector Seals & Cavity Plugs(1)



Insertion & Extraction Tools(11)



Other Automotive Connector Accessories(6)

Customers Also Bought



TE Part #CAT-H396-CH8172
DEUTSCH HDP20 Housings



TE Part #HD10-9BT-BK
BOOT, 9P, PLG/REC, ST, BLK



TE Part #HD16-9-1939S-P080
PLG, 9P, GRN, N, J1939, TYPE 2



TE Part #1-963745-1
SPECIAL TERMINAL 20-17 AWG PTPB LP

Documents

Product Drawings
REC, 31P, BLK, E, THD, 16, S

English

CAD Files
3D PDF



3D

Customer View Model

[ENG_CVM_CVM_HDP24-24-31SE-L015_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_HDP24-24-31SE-L015_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_HDP24-24-31SE-L015_C.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[DEUTSCH HD30 & HDP20 CONNECTOR SERIES](#)

English

[CONNECTOR SELECTOR](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English