

HDP24-24-31PT ✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HDP

TE Internal #: HDP24-24-31PT

Hybrid, Housing for Male Terminals, Wire-to-Wire, 31 Position, Sealable, Black, Wire & Cable, 13A Contact Current Rating (Max), Power & Signal

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Connectors > Automotive Connectors > Connector Housings > DEUTSCH HDP20 HOUSINGS



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

Mating Pin Diameter: **1.59 mm [.0625 in]**

Connector System: **Wire-to-Wire**

Number of Positions: **31**

Sealable: **Yes**

[All DEUTSCH HDP20 HOUSINGS \(282\)](#)

Features

Product Type Features

Connector & Housing Type	Housing for Male Terminals
Connector System	Wire-to-Wire
Sealable	Yes
Hybrid Connector	No
Primary Locking Feature	Contact Retainer
Connector & Contact Terminates To	Wire & Cable
Strain Relief	Add By Accessory

Configuration Features

Blank Cavity Position	0
Number of Positions	31

Electrical Characteristics

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

Body Features

Cable Exit Angle	180°
Body Material	PA GF
Primary Product Color	Black

Contact Features

Mating Pin Diameter	1.59 mm[.0625 in]
Contact Current Rating (Max)	13 A

Mechanical Attachment

Terminal Position Assurance	No
Mounting Feature	With
Connector Mounting Type	Bulkhead, Cable Mount (Free-Hanging), Panel Mount
Polarized	Polarized

Dimensions

Accepts Wire Insulation Diameter Range	2.23 – 2.69 mm[.088 – .106 in]
Height	47.63 mm[1.875 in]
Length	41.86 mm[1.648 in]
Width	50.8 mm[2 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
UL Flammability Rating	20mm Flame Test per Standard UL-94

Packaging Features

Packaging Method	Box
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Other

Serviceable	Yes
Connector Position Assurance Capable	No

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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: JUN 2020 (209) Candidate List Declared Against: JAN 2020 (205) Does not contain REACH SVHC
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 Model / Part # CAT-H396-CH8172
DEUTSCH HDP20 HOUSINGS

TE Model / Part # CAT-D48-ST273
DEUTSCH SOLID CONTACTS

TE Model / Part # CAT-H396-RC8382
DEUTSCH HDP20 RECEPTACLE PROTECTIVE CAPS

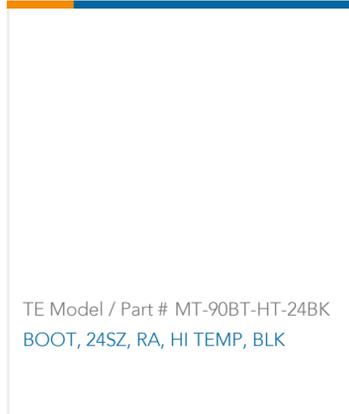
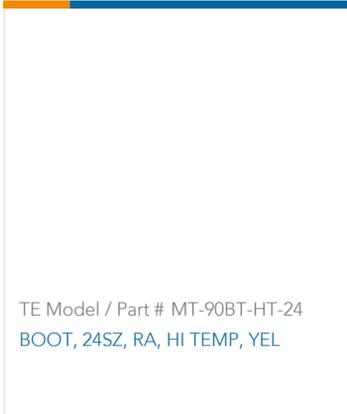
TE Model / Part # CAT-D48-SP729
DEUTSCH SEALING PLUGS

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

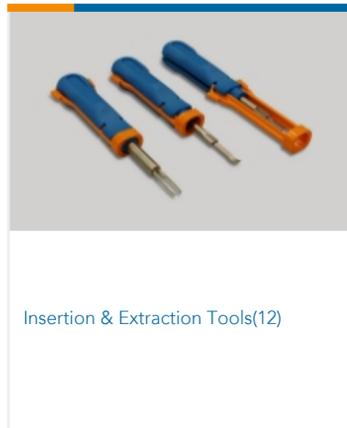
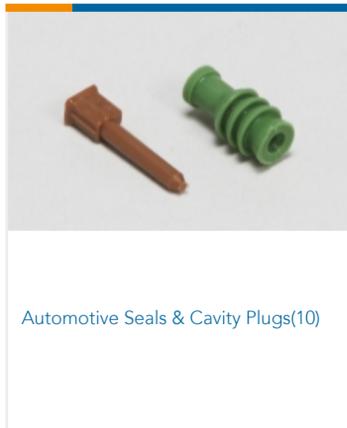
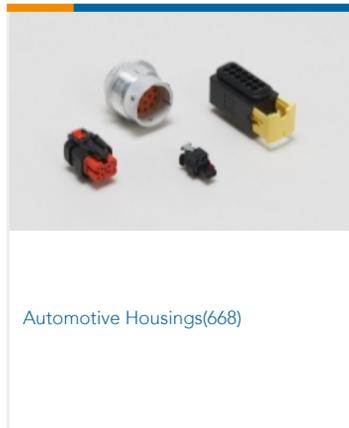
TE Model / Part # 0411-310-1605
EXT TOOL, SIZE 16, 16-18 AWG, T, LT BLU

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

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



Also in the Series | **DEUTSCH HD**



Also in the Series | **DEUTSCH HDP**



Automotive Connector Caps & Covers (12)



Automotive Housings(289)



Insertion & Extraction Tools(12)



Other Automotive Connector Accessories(4)

Customers Also Bought



TE Model / Part #WB-48PA
DEUTSCH DRB WEDGELOCKS



TE Model / Part #HDP24-24-31ST
DEUTSCH HDP20 HOUSINGS



TE Model / Part #2428-004-2405
DEUTSCH HDP20 BACKSHELLS



TE Model / Part #1011-348-0805
DEUTSCH DT DUST CAPS



TE Model / Part #114019-ZZ
DEUTSCH SEALING PLUGS

Documents

Product Drawings

REC, 31P, BLK, T, 16, P

English

CAD Files

3D PDF

3D

Customer View Model

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

English

Customer View Model

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

English

Customer View Model

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

English

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Datasheets & Catalog Pages

[ICT Terminals and Connectors Catalogue](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[Product Compliance](#)

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[Product Compliance](#)

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