

# HDP24-24-31PE-L017 ✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HDP

TE Internal #: HDP24-24-31PE-L017

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

[View on TE.com >](#)



Connectors > Automotive Connectors > Connector Housings > DEUTSCH HDP20 HOUSINGS



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

Mating Pin Diameter: **1.59 mm [ .063 in ]**

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

Number of Positions: **31**

Sealable: **Yes**

[All DEUTSCH HDP20 HOUSINGS \(326\)](#)

## Features

### Product Type Features

Connector & Housing Shape	Circular
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

### Configuration Features

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

### Electrical Characteristics



Operating Voltage	250 VAC
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Nominal Voltage Architecture	12 V, 24 V, 48 V
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### Body Features

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

Contact Size	Size 16
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Mating Pin Diameter	1.59 mm[.063 in]
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Contact Current Rating (Max)	13 A
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### Mechanical Attachment

Mounting Feature	With
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Terminal Position Assurance	No
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Strain Relief	Add By Accessory
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Mating Alignment Type	Not Keyed
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Mating Alignment	Without
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Connector Mounting Type	Cable Mount (Free-Hanging), Panel Mount
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### Dimensions

Product Width	50.8 mm[2 in]
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Product Length	45.77 mm[1.802 in]
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Product Height	47.63 mm[1.875 in]
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Accepts Wire Insulation Diameter Range	1.35 – 2.69 mm[.053 – .106 in]
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### Usage Conditions

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

Circuit Application	Power & Signal
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### Industry Standards

Degree of Protection	IP67
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UL Flammability Rating	20mm Flame Test per Standard UL-94
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### Packaging Features

Packaging Quantity	1
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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: JAN 2022 (223)  
Candidate List Declared Against: JAN 2022 (223)  
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 Part # CAT-D48-ST273  
DEUTSCH SOLID CONTACTS



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



TE Part # CAT-D48-SP729  
DEUTSCH SEALING PLUGS



TE Part # CAT-H396-B128  
DEUTSCH HDP20 BACKSHELLS



TE Part # CAT-H396-CH8172  
DEUTSCH HDP20 HOUSINGS



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



TE Part # 24-D-PUNCH  
D-HOLE PUNCH, SIZE 24



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



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



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



TE Part # CAT-H3930-B128  
DEUTSCH HD30 BACKSHELLS



TE Part # 0411-336-1605  
EXT TOOL, SIZE 16, 16-20 AWG, E,  
DRK BLU

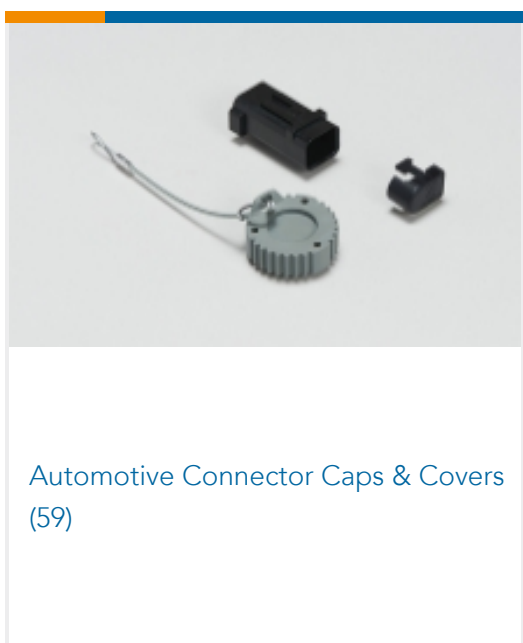


TE Part # 16-04477  
GASKET, 24SZ, BLK, HD30

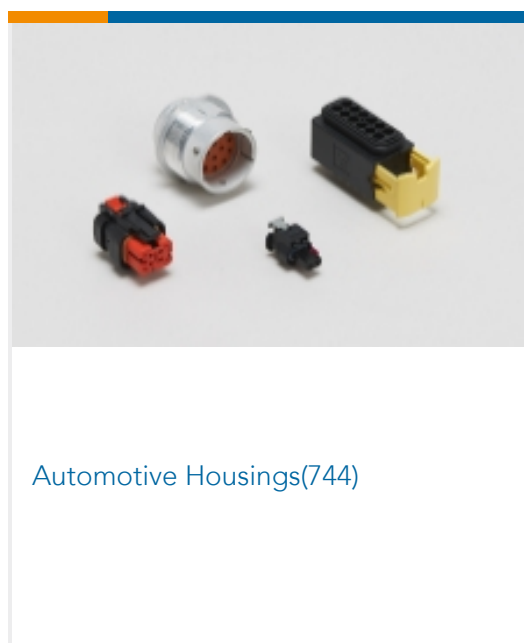


TE Part # 62036-40  
62036 HDP24 FLANGE-SEAL silicone  
60shore

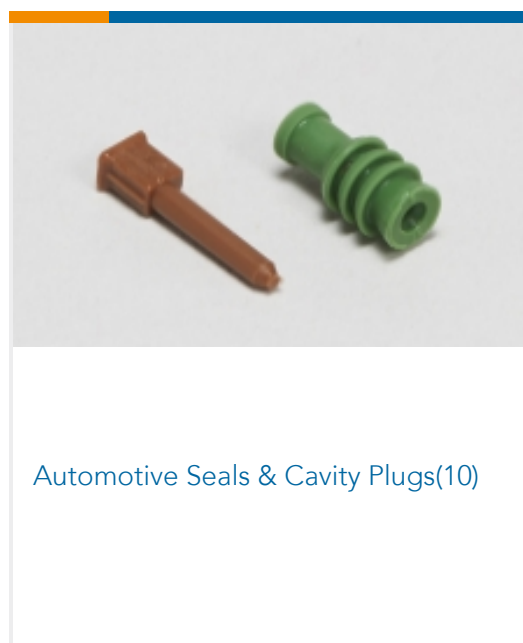
Also in the Series | **DEUTSCH HD**



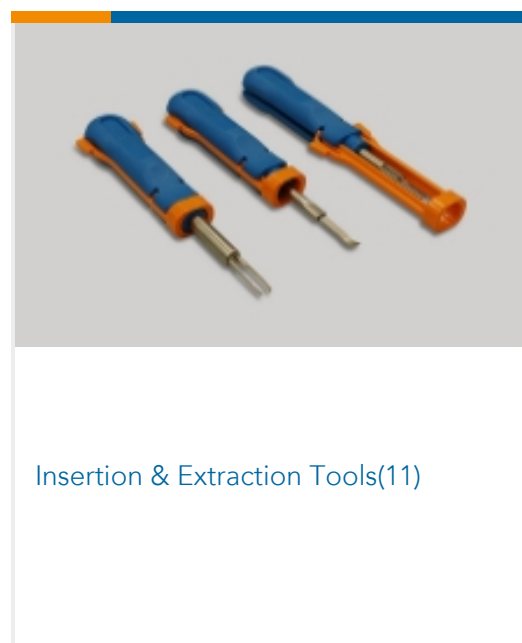
Automotive Connector Caps & Covers  
(59)



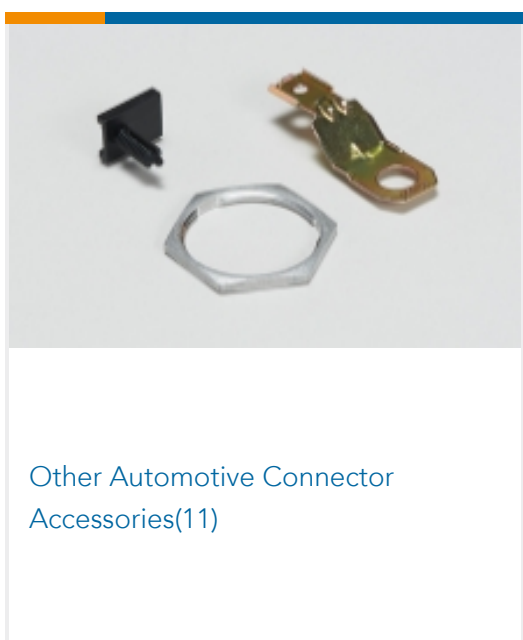
Automotive Housings(744)



Automotive Seals & Cavity Plugs(10)



Insertion & Extraction Tools(11)



Other Automotive Connector  
Accessories(11)

Also in the Series | **DEUTSCH HDP**





Automotive Connector Caps & Covers (12)



Automotive Housings(333)



Insertion & Extraction Tools(11)



Other Automotive Connector Accessories(5)

## Customers Also Bought



TE Part #1028-005-0305  
BKSHL, 3P, BLK, PLG, ST, NW 8.5



TE Part #HDP26-24-16SE-L017  
PLG, 16P, BLK, E, RNG, 12, S



TE Part #2500034-6  
SRC Female Conduit Cover



TE Part #HC5738  
95MM2 POSBAT LEAD 1/4" UNC  
THREAD



TE Part #HC5739  
95MM2 NEGBAT LEAD 1/4" UNC  
THREAD



TE Part #HC5840D  
INTEGRAL BATT. POST. DOUBLE  
TAPER.



TE Part #HC5841  
70MM2 BATTTERY CLMP ASSMB  
NEGATIVE



TE Part #HC5936  
BATTERY LEAD CONN. 70mm +VE



TE Part #HC5955  
BATT.LEAD. 90DEG.70MM+JC



TE Part #1-1437713-4  
106102=GROMMET WHITE

## Documents

### Product Drawings

REC, 31P, BLK, E, RNG, 16, P

English

### CAD Files

3D PDF

3D

### Customer View Model

ENG\_CVM\_CVM\_HDP24-24-31PE-L017\_D.2d\_dxf.zip



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_HDP24-24-31PE-L017\\_D.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_HDP24-24-31PE-L017\\_D.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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**Datasheets & Catalog Pages**

[ICT Terminals and Connectors Catalogue](#)

English

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**Product Specifications**

[Application Specification](#)

English

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**Product Environmental Compliance**

[Product Compliance](#)

English

[Product Compliance](#)

English

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**Agency Approvals**

[UL Report](#)

English