# HDP24-18-14PE-C041 ✔ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HDP

TE Internal #: YHDP24-18-14PEC041

12 V / 24 V / 48 V, 14 Position, Automotive Housing for Male Terminals, Wire-to-Wire, Sealable, Black, Wire & Cable, Power, Hybrid

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Automotive Parts > Automotive Connectors > Automotive Housings > DEUTSCH HDP20 Housings







Nominal Voltage Architecture: **12 V, 24 V, 48 V**

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

Number of Positions: **14**

Sealable: **Yes**

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

All DEUTSCH HDP20 Housings (357)

## Features

### Product Type Features

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

### Configuration Features

| | |
|---|---|
| Blank Cavity Position | 0 |
| Connector Seal Code | E Seal |
| Number of Positions | 14 |

### 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 | Pin |
| Mating Pin Diameter | 1.59 mm[.063 in] |
| Contact Current Rating (Max) | 13 A |

## Mechanical Attachment

| | |
|---|---|
| Strain Relief | Add By Accessory |
| Terminal Position Assurance | No |
| Mating Alignment Type | Guide Post |
| Mating Alignment | With |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

## Housing Features

| | |
|---|---|
| Housing Material | PA GF |

## Dimensions

| | |
|---|---|
| Compatible Insulation Diameter Range | 1.35 – 3.05 mm[.053 – .12 in] |
| Product Width | 44.45 mm[1.75 in] |
| Product Length | 41.86 mm[1.648 in] |
| Connector Height | 41.28 mm[1.625 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 |
| UL Flammability Rating | 20mm Flame Test per Standard UL-94 |

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 1 |
| 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 | 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)<br>Candidate List Declared Against: JUNE 2025 (250)<br>SVHC > Threshold:<br>Octamethylcyclotetrasiloxane (D4) (.5% in 27519830213)<br>Dodecamethylcyclohexasiloxane (D6) (.5% in 27519830213)<br>Decamethylcyclopentasiloxane (D5) (.5% in 27519830213)<br>**Article Safe Usage Statements:**<br>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-D48-SFT273
DEUTSCH Stamped and Formed Contacts



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



TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs



TE Part # CAT-H396-M8649
Lockwashers and Panel Nuts for Deutsch HDP20



TE Part # HD30-18BT
BOOT, 18SZ, ST, GRY



TE Part # DT-RT1
EXT TOOL, FRONT RELEASE



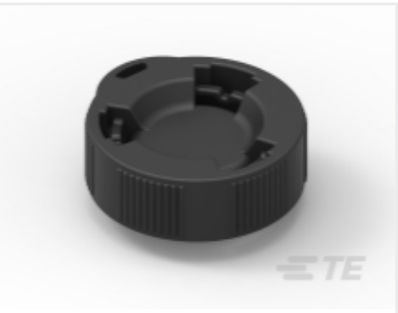
TE Part # CAT-H396-CH8172
DEUTSCH HDP20 Housings



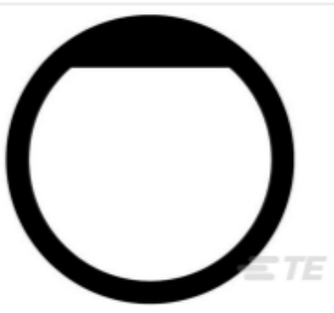
TE Part # 18-D-PUNCH
D-HOLE PUNCH, SIZE 18



TE Part # HD30-18BT-90-BK
BOOT, 18SZ, RA, BLK



TE Part # HDC26-18
DUST CAP, 18SZ, REC, BLK, HDP



TE Part # 16-04978
GASKET, 18SZ, BLK, HD30



TE Part # HD30-18BT-BK
BOOT, 18SZ, ST, BLK



TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts

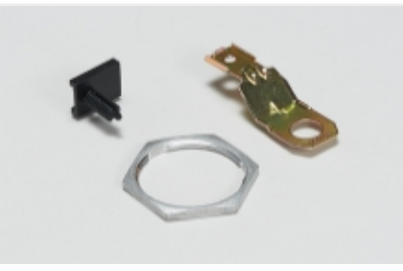
## Also in the Series | DEUTSCH HD



Automotive Housings(357)

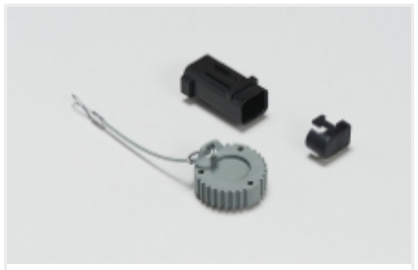


Automotive Seals & Cavity Plugs(1)



Other Automotive Connector Accessories(7)

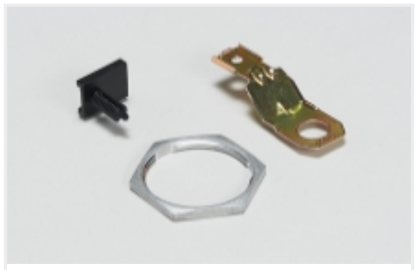
## Also in the Series | DEUTSCH HDP



Automotive Connector Caps & Covers (4)



Automotive Seals & Cavity Plugs(1)



Other Automotive Connector Accessories(7)

## Customers Also Bought



TE Part #CAT-J41-DDPC
DEUTSCH DT Plug Connectors



TE Part #CAT-H396-CH8172
DEUTSCH HDP20 Housings



TE Part #DT04-2P-RT06
REC, 2P, GRN, DIODE, NI



TE Part #CAT-T319-CH8172
TH/.025 CONNECTOR SYSTEM, HOUSING



TE Part #3-1879075-0
THS25 33R 5%



TE Part #2236721-1
ADAPTER,FOR TAB HOUSING,ASSY



TE Part #2292906-2
2POS,MCON 1.2,REC HSG ASSY,SLD, COD B

## Documents

### Product Drawings

REC, 14P, BLK, E, KEY, 16, P

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_YHDP24-18-14PEC041_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_YHDP24-18-14PEC041_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_YHDP24-18-14PEC041_B.3d_stp.zip

English

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

## Datasheets & Catalog Pages

### ICT Terminals and Connectors Catalogue

English

### CONNECTOR SELECTOR

English

## Product Specifications

### Application Specification

English

## Agency Approvals

### UL Report

English