# HDP24-24-21SE-L017 ✔ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HDP

TE Internal #: HDP24-24-21SE-L017

12 V / 24 V / 48 V, 21 Position, Automotive Housing for Female Terminals, Wire-to-Panel, Sealable, Black, Wire & Cable, Power, Panel Mount, Hybrid

View on TE.com >

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



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

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

Number of Positions: **21**

Sealable: **Yes**

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

All DEUTSCH HDP20 Housings (357)

## Features

### Product Type Features

| | |
|---|---|
| Mixed & Hybrid Connector | Yes |
| Connector Shape | Circular |
| Connector & Housing Type | Housing for Female Terminals |
| Sealable | Yes |
| Primary Locking Feature | Contact Retainer |
| Connector System | Wire-to-Panel |
| Connector & Contact Terminates To | Wire & Cable |

### Configuration Features

| | |
|---|---|
| Blank Cavity Position | 0 |
| Connector Modification | Ring Adapter |
| Connector Seal Code | E Seal |
| Number of Positions | 21 |

### 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 12, Size 16 |
| Contact Type | Socket |
| Mating Pin Diameter | 1.6 mm, 2.4 mm[.063 in][.094 in] |
| Contact Current Rating (Max) | 13 A, 25 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 |

## Dimensions

| | |
|---|---|
| Compatible Insulation Diameter Range | 1.4 – 3.8 mm, 3.6 – 5.2 mm[.055 – .15 in][.14 – .204 in] |
| Product Width | 47.6 mm[1.87 in] |
| Product Length | 50.8 mm[2 in] |
| Connector Height | 45.8 mm[1.8 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 | UL 94V-0 |

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 30 |
| Packaging Method | Tray |

### Other

| | |
|---|---|
| Serviceable | Yes |
| Connector Position Assurance Capable | No |

## Product Compliance

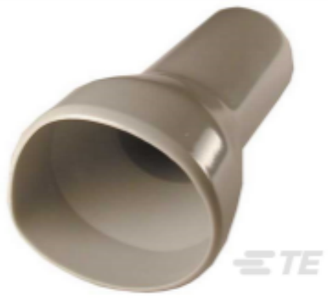
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 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>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



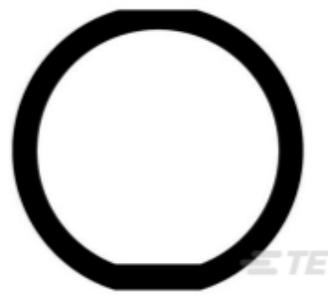
TE Part # HD30-24BT
BOOT, 24SZ, ST, GRY



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



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



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



TE Part # CAT-H396-RC8382
Receptacle Protective Caps — DEUTSCH HDP20



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



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 # 0411-204-1605
EXT TOOL, SIZE 16, 16-18 AWG, N, DRK BLU



TE Part # 0411-337-1205
EXT TOOL, SIZE 12, 12-14 AWG, E, ORG



TE Part # CAT-H396-B128
DEUTSCH HDP20 Backshells



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



TE Part # HDP26-24-21PE-L017
PLG, 21P, BLK, E, RNG, 12/16, P

## Also in the Series | DEUTSCH HD



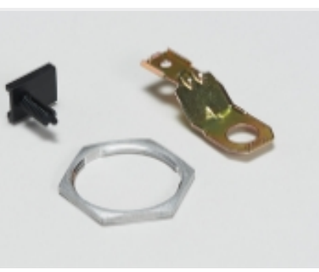
Automotive Housings(357)



Automotive Seals & Cavity Plugs(1)



Connector Strain Relief(6)



Other Automotive Connector Accessories(7)

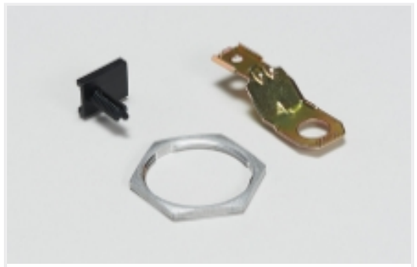
## Also in the Series | DEUTSCH HDP



Automotive Housings(357)



Automotive Seals & Cavity Plugs(1)



Other Automotive Connector Accessories(7)

## Customers Also Bought



TE Part #CAT-H396-B128
DEUTSCH HDP20 Backshells



TE Part #CAT-H396-CH8172
DEUTSCH HDP20 Housings



TE Part #T2030002008-000
CEF-0.75

## Documents

### Product Drawings

REC, 21P, BLK, E, RNG, 12/16, S

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_HDP24-24-21SE-L017_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_HDP24-24-21SE-L017_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_HDP24-24-21SE-L017_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

CONNECTOR SELECTOR

English

### Product Specifications

Application Specification

English

## Agency Approvals

### UL Report

English