

# HDP24-24-47PE ✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HDP

TE Internal #: HDP24-24-47PE

Hybrid, Housing for Male Terminals, Wire-to-Wire, 47 Position,  
Sealable, Blue, Power & Signal, Panel Mount

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Connectors > Automotive, Truck, Bus, & Off-Road Connectors > Connector Housings > DEUTSCH HDP20 HOUSINGS



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

Mating Pin Diameter: **1 mm, 1.5 mm [ .039 in, .059 in ]**

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

Number of Positions: **47**

Sealable: **Yes**

[All DEUTSCH HDP20 HOUSINGS \(216\)](#)

## Features

### Product Type Features

Connector & Housing Type	Housing for Male Terminals
Connector System	Wire-to-Wire
Sealable	Yes
Hybrid Connector	Yes
Primary Locking Feature	Integrated in Housing
Strain Relief	Add By Accessory

### Configuration Features

Number of Positions	47
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### Electrical Characteristics

Nominal Voltage Architecture	12 V, 24 V, 42 V, 48 V, 80 V, 90 V, 125 V, 240 V
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### Body Features

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

### Contact Features

Mating Pin Diameter	1 mm, 1.5 mm[.039 in][.059 in]
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### Mechanical Attachment

Mounting Feature	Without
Terminal Position Assurance	No
Connector Mounting Type	Panel Mount
Polarized	Yes

### Dimensions

Height	50.8 mm[2 in]
Length	41.86 mm[1.648 in]

### Usage Conditions

Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][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

### 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: JUN 2020 (209) Candidate List Declared Against: JAN 2020 (205) Octamethylcyclotetrasiloxane (D4) (.4% in component part) <b>Article Safe Usage Statements:</b> 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 Model / Part # CAT-D48-ST273  
DEUTSCH SOLID CONTACTS



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



TE Model / Part # CAT-H396-CH8172  
DEUTSCH HDP20 HOUSINGS



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



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



TE Model / Part # 0411-240-2005  
EXT TOOL, SIZE 20, 16-22 AWG, N, RED



TE Model / Part # WHDS-24-1  
STRAIN RELIEF, 24SZ, ST



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



TE Model / Part # WHDS-24-2  
STRAIN RELIEF, 24SZ, RA



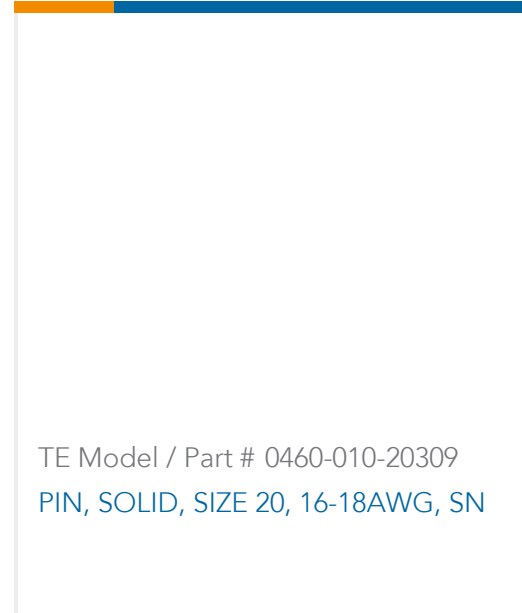
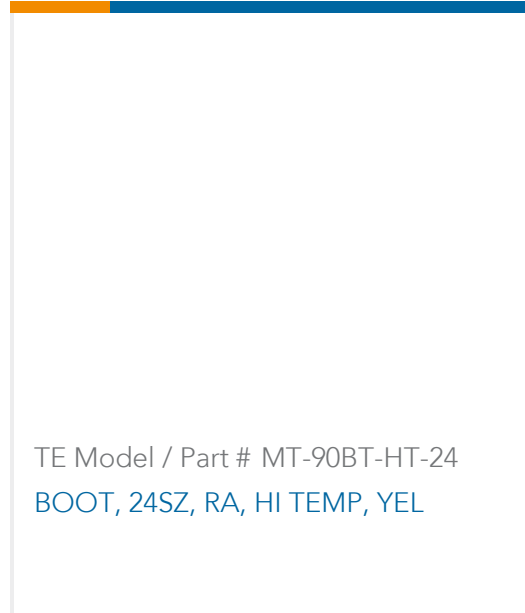
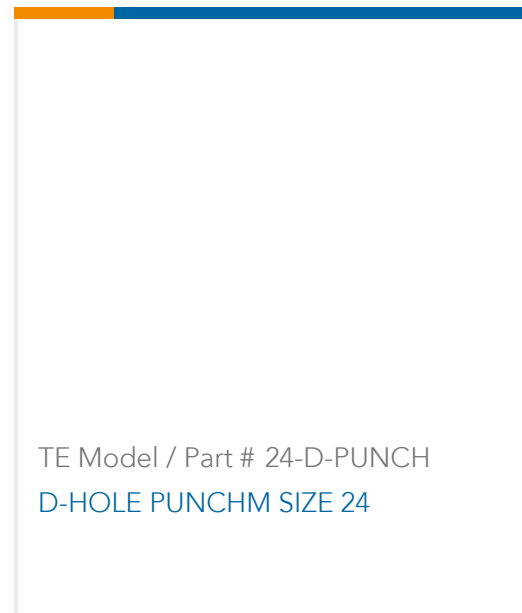
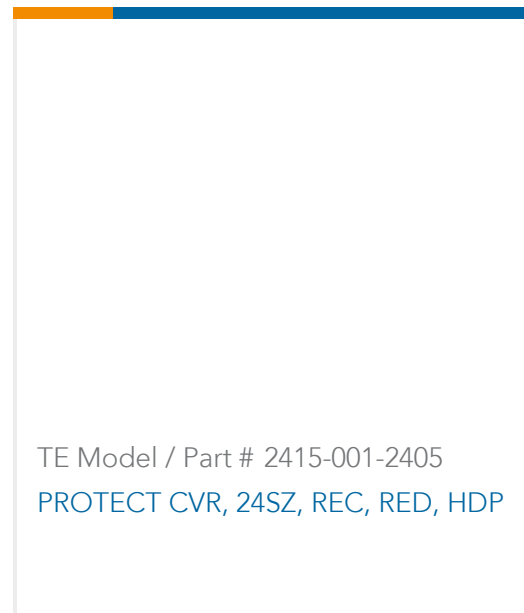
TE Model / Part # HD30-24BT-90-BK  
BOOT, 24SZ, RA, BLK



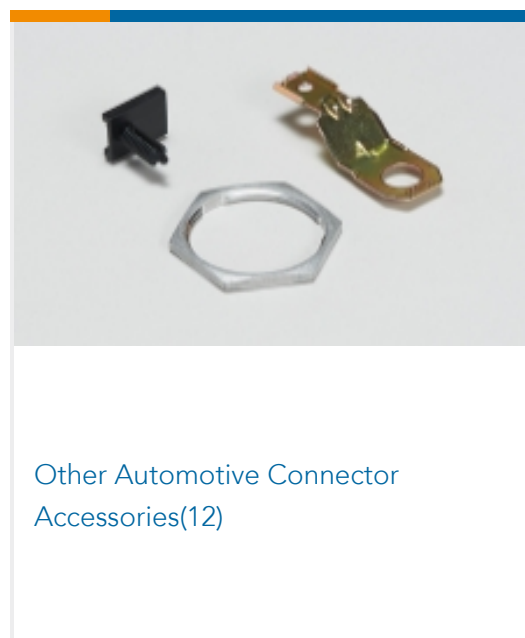
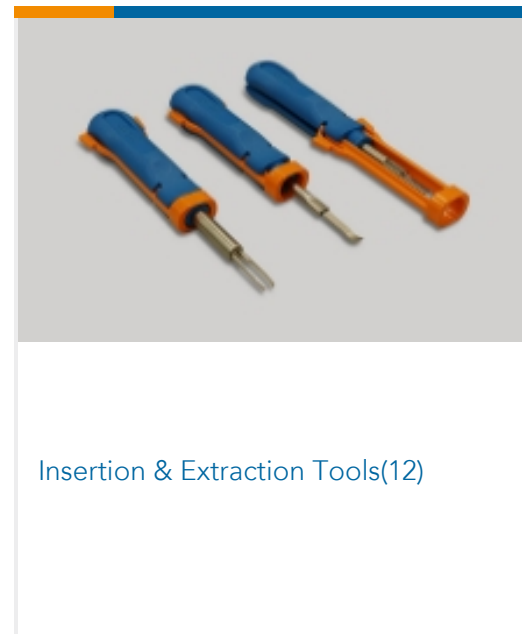
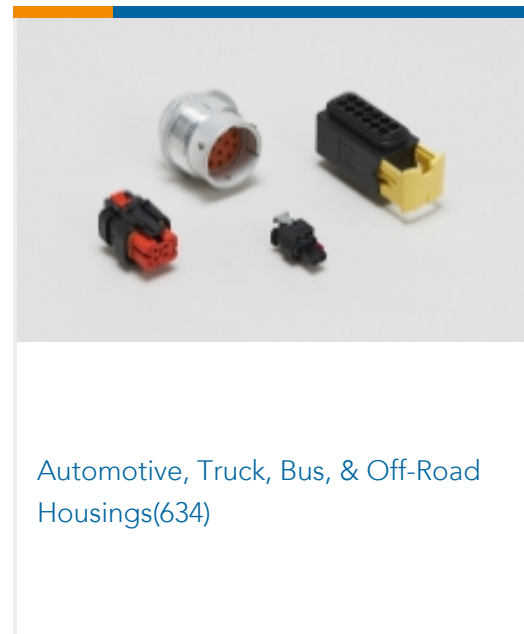
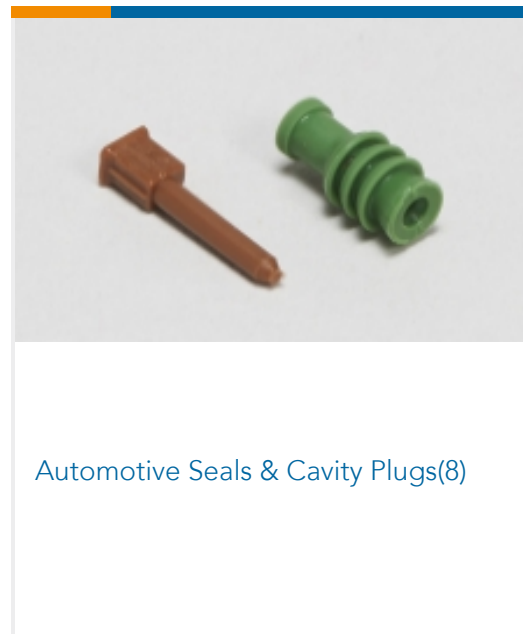
TE Model / Part # HD30-24BT-BK  
BOOT, 24SZ, ST, BLK



TE Model / Part # HDP26-24-47SE-L015  
PLG, 47P, BLK, E, THD, 16/20, S



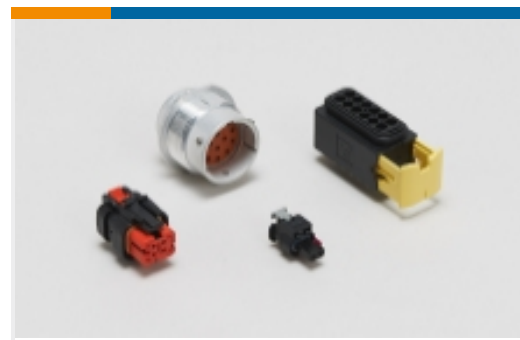
Also in the Series | **DEUTSCH HD**



Also in the Series | **DEUTSCH HDP**



Automotive Connector Caps & Covers (12)



Automotive, Truck, Bus, & Off-Road Housings(260)



Other Automotive Connector Accessories(4)

## Documents

### Product Drawings

[REC, 47P, BLK, E, 16/20, P](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_HDP24-24-47PE\\_D.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_HDP24-24-47PE\\_D.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_HDP24-24-47PE\\_D.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

### Product Specifications

[Application Specification](#)

English

### Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

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