HDP24-24-31PE-L024 ✔ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HDP

TE Internal #: YHDP24-24-31PEL024

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

View on TE.com >

Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HDP20 Housings







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

Number of Positions: **31**

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

Sealable: **Yes**

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

All DEUTSCH HDP20 Housings (357)

Features

Product Type Features

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

Configuration Features

Blank Cavity Position	0
Connector Modification	Wide Threaded Adapter
Connector Seal Code	E Seal
Number of Positions	31

Electrical Characteristics

Operating Voltage	250 VAC
Nominal Voltage Architecture	250 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

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

Housing Features

Housing Material	PA GF

Dimensions

Connector Height	47.63 mm[1.875 in]
Product Width	50.8 mm[2 in]
Product Length	41.53 mm[1.635 in]
Compatible Insulation Diameter Range	1.35 – 2.69 mm[.053 – .106 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

Degree of Protection	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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.5% in Component Part) Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part) Decamethylcyclopentasiloxane (D5) (.5% in Component Part) **Article Safe Usage Statements:** 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-H396-RC8382
Receptacle Protective Caps — DEUTSCH HDP20



TE Part # CAT-H396-CH8172
DEUTSCH HDP20 Housings



TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part # Y2428-024-24050000
BKSHL, 24SZ, BLK, ST, L024, HDP



TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs



TE Part # CAT-J67-DSCC16
DEUTSCH Size 16 Crimp Contacts



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



TE Part # 2300908-1
0460-003-16329, PIN, SOLID, 20-24AWG, AU



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



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



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



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



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

TE Part # CAT-D48-SFT273
DEUTSCH Stamped and Formed Contacts

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

Also in the Series | DEUTSCH HD



Automotive Connector Caps & Covers (32)



Automotive Housings(768)



Connector Backshells(29)



Connector Seals & Cavity Plugs(10)



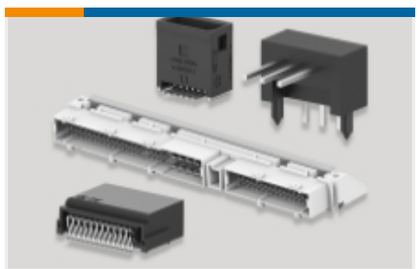
Connector Strain Relief(5)



Insertion & Extraction Tools(11)

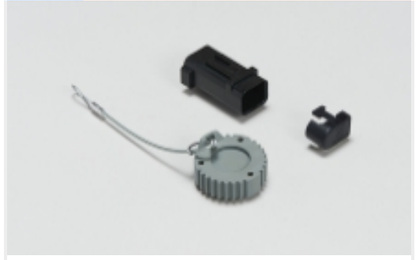


Other Automotive Connector Accessories(11)



PCB Headers & Receptacles(1)

Also in the Series | DEUTSCH HDP



Automotive Connector Caps & Covers (4)



Automotive Housings(357)



Connector Backshells(8)



Connector Seals & Cavity Plugs(1)



Insertion & Extraction Tools(11)



Other Automotive Connector Accessories(5)

Customers Also Bought



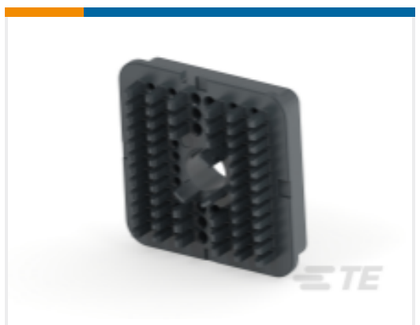
TE Part #HDP24-24-29SE
DEUTSCH HDP20 Housings



TE Part #776437-4
AS16,PLUG ASSY,ST,12P,N SEAL, CODE D



TE Part #DT04-12PA-CE08
REC, 12P, GRY, E, ENH KEY, A



TE Part #WB-60SB
WEDGE LOCK, 60P, PLG, BLK, DRB, B

TE Part #2310347-1
HDP26-18-14PE

TE Part #2819654-1
DT04-2P-RT01



TE Part #881572-2
BUSBAR,STAMPED,CUSN4,0.4MM,3 POSN

Documents

Product Drawings

REC, 31P, BLK, E, WTHD, 16, P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_YHDP24-24-31PEL024_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_YHDP24-24-31PEL024_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_YHDP24-24-31PEL024_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

Agency Approvals

UL Report

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

1743455-2 2005330-1 2380312-2 3-1393225-0 CPF0402B37K4E1 ROX05SJ18R SBCHE154R7K
1-794222-0 175977-2 2310537-1 3631B101LL 917696-1 CRGCQ2010J3K3 TE50BR39J 2-292161-3
2834055-1 3430B2F51RTDF 650075-000 MPT100C18RF U5254-000005-030PA 1393431-1 1903112-2
1969656-1 141991-2 936348-1 RH73H2A40MKTN 1-962915-1 SBCHE64R7K 2377783-2 SMW73R0JT