

HDP24-24-19PE-L024

✓ ACTIVE

DEUTSCH | DEUTSCH HDP, DEUTSCH HD

TE Internal #: YHDP24-24-19PEL024

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

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HDP20 Housings



Number of Positions: 19
Connector & Housing Type: Housing for Male Terminals
Mating Pin Diameter: 2.39 mm, 1.59 mm [.063 in, .094 in]
Connector System: Wire-to-Wire
Sealable: Yes

[All DEUTSCH HDP20 Housings \(357\)](#)

Features

Housing Features

Housing Material	PA GF
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Industry Standards

IP Rating	IP67
UL Flammability Rating	20mm Flame Test per Standard UL-94

Dimensions

Compatible Insulation Diameter Range	1.35 – 3.05 mm, 2.46 – 4.01 mm[.097 – .158 in][.053 – .12 in]
Product Width	50.8 mm[2 in]
Product Length	41.53 mm[1.635 in]
Connector Height	47.63 mm[1.875 in]

Packaging Features

Packaging Quantity	1
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Packaging Method	Box
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)
Other	
Serviceable	Yes
Connector Position Assurance Capable	No
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant
Electrical Characteristics	
Operating Voltage	250 VDC
Nominal Voltage Architecture	250 V
Body Features	
Cable Exit Angle	180°
Primary Product Color	Black
Contact Features	
Contact Size	Size 16, Size 12
Contact Type	Pin
Mating Pin Diameter	2.39 mm, 1.59 mm[.063 in][.094 in]
Contact Current Rating (Max)	25 A, 13 A
Product Type Features	
Mixed & Hybrid Connector	Yes
Connector Shape	Circular
Connector & Housing Type	Housing for Male Terminals
Connector System	Wire-to-Wire
Sealable	Yes
Primary Locking Feature	Integrated in Housing
Connector & Contact Terminates To	Wire & Cable
Configuration Features	



Blank Cavity Position	0
Connector Modification	Wide Threaded Adapter
Connector Seal Code	E Seal
Number of Positions	19

Usage Conditions

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

Operation/Application

Circuit Application	Power
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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: JUNE 2024 (241) 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

 <p>TE Part # CAT-D48-ST273 DEUTSCH Solid Contacts</p>	 <p>TE Part # HD30-24BT BOOT, 24SZ, ST, GRY</p>	 <p>TE Part # HD30-24BT-90-BK BOOT, 24SZ, RA, BLK</p>	 <p>TE Part # CAT-J67-DSCC16 DEUTSCH Size 16 Crimp Contacts</p>
 <p>TE Part # 1060-12-0166 PIN, SF, SIZE 12, 12-14, NI/SN</p>	 <p>TE Part # CAT-D48-SFT273 DEUTSCH Stamped and Formed Contacts</p>	 <p>TE Part # 62036-40 62036 HDP24 FLANGE-SEAL silicone 60shore</p>	 <p>TE Part # 0411-337-1205 EXT TOOL, SIZE 12, 12-14 AWG, E, ORG</p>
 <p>TE Part # 0411-336-1605 EXT TOOL, SIZE 16, 16-20 AWG, E, DRK BLU</p>	 <p>TE Part # CAT-D48-SP729 DEUTSCH Sealing Plugs</p>	 <p>TE Part # Y2428-024-24050000 BKSHL, 24SZ, BLK, ST, L024, HDP</p>	 <p>TE Part # 1060-12-0144 PIN, SF, SIZE 12, 12-14, AU/SN</p>
 <p>TE Part # CAT-H396-CH8172 DEUTSCH HDP20 Housings</p>	 <p>TE Part # 2300908-1 0460-003-16329, PIN, SOLID, 20- 24AWG, AU</p>	 <p>TE Part # 1060-12-0222 PIN, SF, SIZE 12, 10, NI/NI</p>	 <p>TE Part # HD30-24BT-BK BOOT, 24SZ, ST, BLK</p>





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

Also in the Series

DEUTSCH HD




Automotive Connector Caps & Covers
(4)



Automotive Housings(357)




Connector Strain Relief(5)



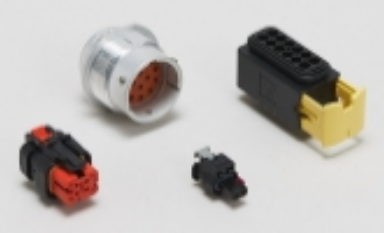
Other Automotive Connector
Accessories(6)

Also in the Series

DEUTSCH HDP




Automotive Connector Caps & Covers
(4)




Automotive Housings(357)




Connector Backshells(10)



Connector Seals & Cavity Plugs(1)



Insertion & Extraction Tools(11)



Other Automotive Connector
Accessories(6)

Customers Also Bought





TE Part #M902-2244
BKSHL, 24SZ, CBL SZ .570-.710, HDP L015



TE Part #M902-2054
COMP NUT, 6/9/24SZ,CBL SZ .570-.710,HD10



TE Part #CAT-H396-CH8172
DEUTSCH HDP20 Housings



TE Part #1011-264-0405
BKSHL, 4P, BLK, PLG,RA,NW6/7.5/8.5/10



TE Part #HD34-18-21PN-059
REC,21P,AL,N, CBL CLMP BT, DRAIN, 20,P,MC



TE Part #2098253-2
SOC, SF, SIZE 16, 14-16 AWG, NI/SN

Documents

Product Drawings

REC, 19P, BLK, E, WTHD, 12/16, P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_YHDP24-24-19PEL024_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_YHDP24-24-19PEL024_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_YHDP24-24-19PEL024_C.3d_stp.zip

English

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Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English



[Agency Approvals](#)

[UL Report](#)

English