HDP24-24-18PE-L015 ✔ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HDP

TE Internal #: HDP24-24-18PE-L015

Housing for Male Terminals, Wire-to-Panel, 18 Position, Sealable, Black, Wire & Cable, Power, Panel Mount, -55 – 125 °C [-67 – 257 °F], Hybrid

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HDP20 Housings



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

Number of Positions: **18**

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

Sealable: **Yes**

Mating Pin Diameter: **1.6 mm, 2.4 mm, 3.6 mm [.063 in, .094 in, .142 in]**

All DEUTSCH HDP20 Housings (357)

Features

Product Type Features

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

Configuration Features

Blank Cavity Position	0
Connector Modification	Threaded Adapter
Connector Seal Code	E Seal
Number of Positions	18

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 12, Size 16, Size 8
Contact Type	Pin
Mating Pin Diameter	1.6 mm, 2.4 mm, 3.6 mm[.063 in][.094 in][.142 in]
Contact Current Rating (Max)	13 A, 25 A, 60 A

Mechanical Attachment

Terminal Position Assurance	No
Strain Relief	Without
Mating Alignment Type	Polarization Slot
Mating Alignment	With
Connector Mounting Type	Panel Mount

Housing Features

Housing Material	PA 66 GF

Dimensions

Connector Height	58.7 mm[2.31 in]
Product Width	47.6 mm[1.87 in]
Product Length	50.8 mm[2 in]
Compatible Insulation Diameter Range	1.4 – 3.8 mm, 3.6 – 5.2 mm[.055 – .15 in][.14 – .204 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	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	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) 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 # CAT-D48-SP729
DEUTSCH Sealing Plugs



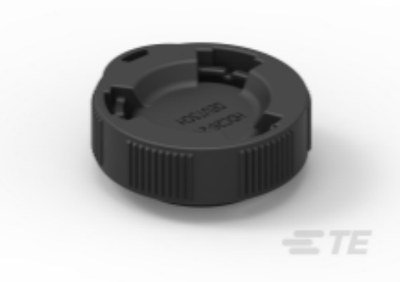
TE Part # CAT-H396-B128
DEUTSCH HDP20 Backshells



TE Part # CAT-H3910-B128
DEUTSCH HD10 Backshells



TE Part # CAT-H396-CH8172
DEUTSCH HDP20 Housings



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



TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts



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



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



TE Part # 1060-12-0144
PIN, SF, SIZE 12, 12-14, AU/SN



TE Part # 1060-12-0222
PIN, SF, SIZE 12, 10, NI/NI



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



TE Part # SRN21
SEAL RING, CONDUIT ADAPTER, NW22



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



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



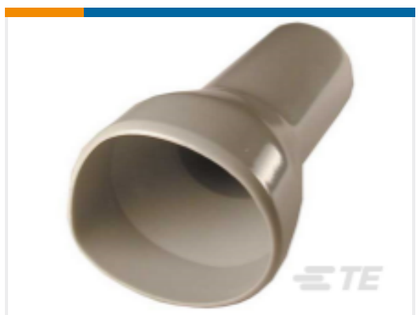
TE Part # 114008-ZZ
EXT TOOL, SIZE 8, 8-10 AWG, N, GRN



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



TE Part # 1060-12-0166
PIN, SF, SIZE 12, 12-14, NI/SN



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

Also in the Series | DEUTSCH HD



Automotive Connector Caps & Covers (32)



Automotive Housings(768)



Connector Backshells(29)



Connector Seals & Cavity Plugs(10)



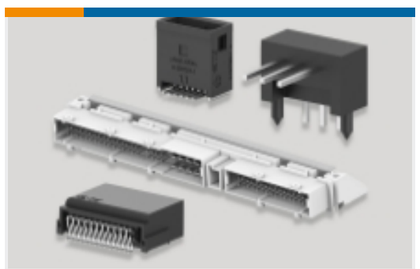
Connector Strain Relief(5)



Insertion & Extraction Tools(11)

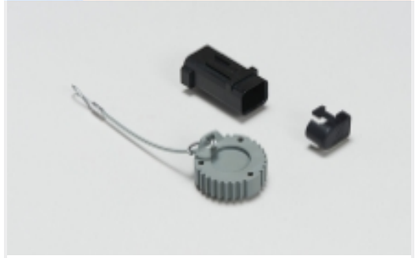


Other Automotive Connector Accessories(11)



PCB Headers & Receptacles(1)

Also in the Series | DEUTSCH HDP



Automotive Connector Caps & Covers (4)



Automotive Housings(357)



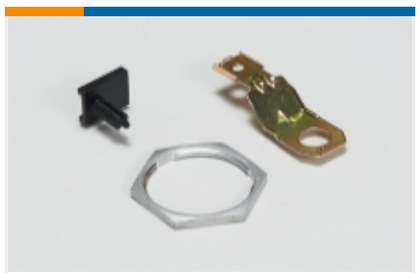
Connector Backshells(8)



Connector Seals & Cavity Plugs(1)



Insertion & Extraction Tools(11)

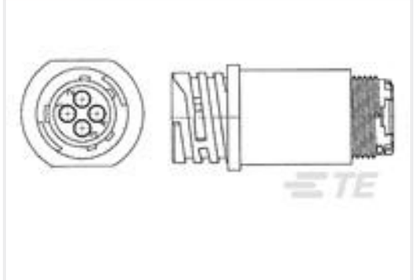


Other Automotive Connector Accessories(5)

Customers Also Bought



TE Part #776539-3
AMPSEAL 16 Housings



TE Part #796287-1
RCPT.ASSY,23-37STD SEX FREE HG



TE Part #42899-2
RING TONGUE 10-6 AWG TPBR



TE Part #52463-1
TERMINAL,PG SPR SPD 16-14 6



TE Part #6-1355683-3
MT3BU-GEH ASSY6P,SW



TE Part #1443996-2
COVER, 60 POS, W/O FUSE HOLDER



TE Part #1-1924067-4
2POS, MCON 1.2 CB REC 2p TL SEALED



TE Part #1326460-1
ASSY, PLUG, 3P SEALED, 2.8MCP



TE Part #458141-4
CRIMPER WIRE SPL STEPPED

Documents

Product Drawings

REC, 18P, BLK, E, THD, 8/12/16, P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_HDP24-24-18PE-L015_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_HDP24-24-18PE-L015_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_HDP24-24-18PE-L015_C.3d_stp.zip

English

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Datasheets & Catalog Pages

DEUTSCH HD30 & HDP20 CONNECTOR SERIES

English

ICT Terminals and Connectors Catalogue

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CONNECTOR SELECTOR

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Product Specifications

Application Specification

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Agency Approvals

UL Report

English

Unikeyic Electronics

Global Electronic Components Distributor

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

TE Connectivity:

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