

HDP24-18-6PN-L017

✓ ACTIVE

DEUTSCH | DEUTSCH HDP, DEUTSCH HD

TE Internal #: HDP24-18-6PN-L017

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

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HDP20 Housings



Number of Positions: 6
Connector & Housing Type: Housing for Male Terminals
Mating Pin Diameter: 1.6 mm, 5.7 mm [.063 in, .225 in]
Connector System: Wire-to-Wire
Sealable: Yes

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

Features

Housing Features

Housing Material	PA 66
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Industry Standards

IP Rating	IP67
UL Flammability Rating	UL 94V-0

Body Features

Cable Exit Angle	180°
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Dimensions

Compatible Insulation Diameter Range	6.6 – 7.4 mm, 2.5 – 3.4 mm[.1 – .135 in][.261 – .292 in]
Product Width	41.3 mm[1.62 in]
Product Length	44.4 mm[1.75 in]
Connector Height	47.5 mm[1.87 in]



Packaging Features

Packaging Quantity	1
Packaging Method	Package

Mechanical Attachment

Strain Relief	Without
Terminal Position Assurance	No
Mating Alignment Type	Guide Post
Mating Alignment	With
Connector Mounting Type	Panel Mount

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

Contact Features

Contact Size	Size 16, Size 4
Contact Type	Pin
Mating Pin Diameter	1.6 mm, 5.7 mm[.063 in][.225 in]
Contact Current Rating (Max)	100 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	Contact Retainer
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Blank Cavity Position	0
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Connector Seal Code	N Seal
Number of Positions	6

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) 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-SFT273
DEUTSCH Stamped and Formed
Contacts



TE Part # CAT-H396-M8649
Lockwashers and Panel Nuts for
Deutsch HDP20



TE Part # CAT-H396-B128
DEUTSCH HDP20 Backshells



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



TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs



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



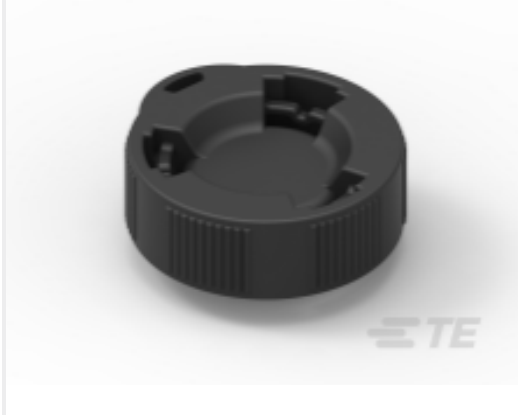
TE Part # CAT-H396-CH8172
DEUTSCH HDP20 Housings



TE Part # 18-D-PUNCH
D-HOLE PUNCH, SIZE 18



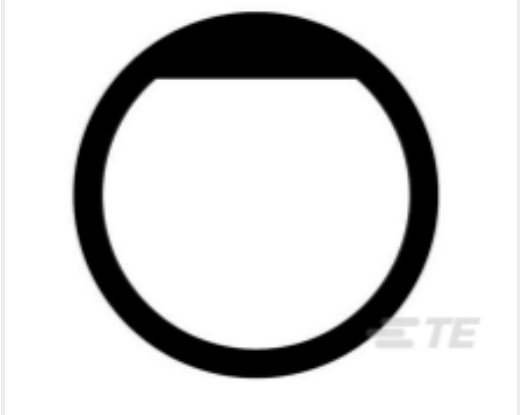
TE Part # 114009-ZZ
EXT TOOL, SIZE 4, 6 AWG, N, WHT



TE Part # HDC26-18
DUST CAP, 18SZ, REC, BLK, HDP



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



TE Part # 16-04978
GASKET, 18SZ, BLK, HD30



TE Part # 0411-291-1405
EXT TOOL, SIZE 16, 14-16 AWG, N,
GRN

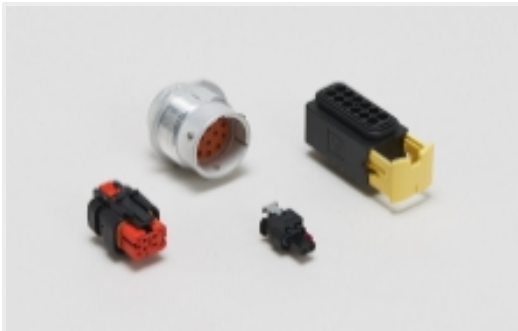


TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts

Also in the Series | **DEUTSCH HD**



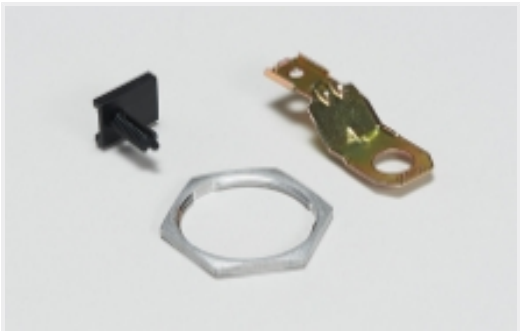
Automotive Connector Caps & Covers
(4)



Automotive Housings(357)



Connector Strain Relief(5)



Other Automotive Connector
Accessories(6)

Also in the Series | **DEUTSCH HDP**



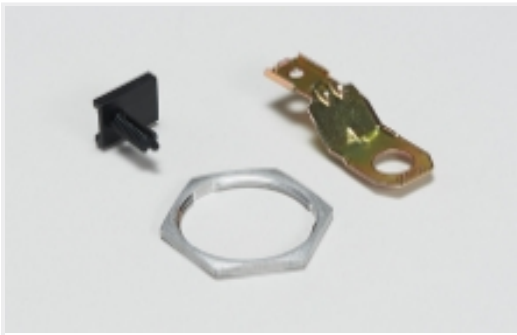
Automotive Connector Caps & Covers (4)



Automotive Housings(357)



Insertion & Extraction Tools(11)



Other Automotive Connector Accessories(6)

Customers Also Bought



TE Part #CAT-H396-CH8172
DEUTSCH HDP20 Housings



TE Part #63561-1
SPLICE 10000-16000 CMA 031BR



TE Part #F77737-000
HX-SCE-1K-4.8-50-9



TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part #1757824-3
AMPLIMITE,ASY,RCPT,STD,90,ZN,3

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_HDP24-18-6PN-L017_C1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_HDP24-18-6PN-L017_C1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_HDP24-18-6PN-L017_C1.3d_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

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[ICT Terminals and Connectors Catalogue](#)

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