HDP24-18-8PN-L017 ✔ ACTIVE

DEUTSCH | DEUTSCH HDP, DEUTSCH HD30

TE Internal #: HDP24-18-8PN-L017

12 V / 24 V / 48 V, 8 Position, Automotive Housing for Male Terminals, Wire-to-Wire, Sealable, Black, Wire & Cable, Power, Panel Mount, Hybrid

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Automotive Parts > Automotive Connectors > Automotive Housings > DEUTSCH HDP20 Housings







Nominal Voltage Architecture: **12 V, 24 V, 48 V**

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

Number of Positions: **8**

Sealable: **Yes**

Operating Temperature Range: **-55 – 125 °C [-67 – 257 °F]**

All DEUTSCH HDP20 Housings (357)

Features

Product Type Features

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

Configuration Features

Blank Cavity Position	0
Connector Seal Code	N Seal
Number of Positions	8

Electrical Characteristics

Operating Voltage	250 VDC
Nominal Voltage Architecture	12 V, 24 V, 48 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Black

Contact Features

Contact Size	Size 12
Contact Type	Pin
Mating Pin Diameter	2.4 mm[.094 in]
Contact Current Rating (Max)	25 A

Mechanical Attachment

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

Housing Features

Housing Material	PA 66 GF

Dimensions

Compatible Insulation Diameter Range	3.6 – 5.2 mm[.14 – .204 in]
Product Width	41.3 mm[1.62 in]
Product Length	44.4 mm[1.75 in]
Connector Height	44.4 mm[1.75 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

IP Rating	IP67
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	1
Packaging Method	Package

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.4% in 8670777875) **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-D48-SFT273
DEUTSCH Stamped and Formed Contacts



TE Part # CAT-H396-B128
DEUTSCH HDP20 Backshells



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



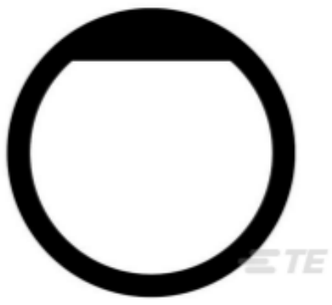
TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs



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



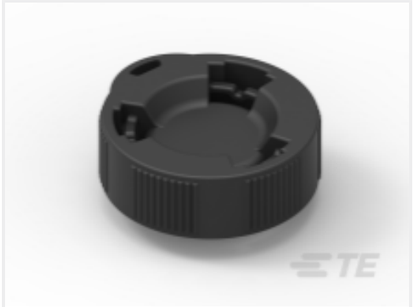
TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part # 114010-ZZ
EXT TOOL, SIZE 12, 12 AWG, N, YEL



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



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

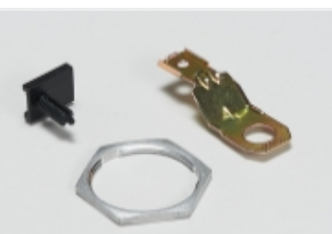
Also in the Series | DEUTSCH HDP



Automotive Housings(453)



Automotive Seals & Cavity Plugs(11)



Other Automotive Connector Accessories(12)

Also in the Series | DEUTSCH HD30



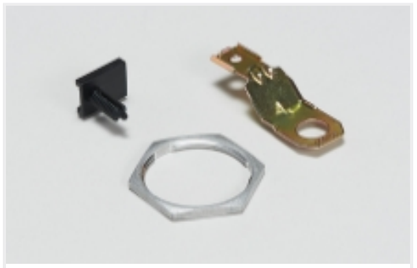
Automotive Housings(453)



Automotive Seals & Cavity Plugs(11)



Connector Strain Relief(6)



Other Automotive Connector Accessories(12)

Customers Also Bought

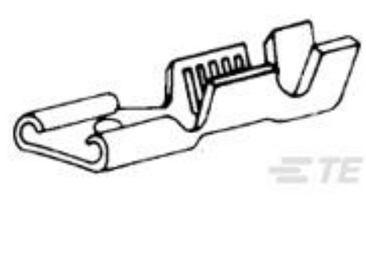
TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part #2411-002-1805
PANEL NUT, SIZE 18, HDP



TE Part #HDP26-18-8SN-L017
PLG, 8P, BLK, N, RNG, 12, S



TE Part #60384-1
.250 FAST REC IS 1000 BR



TE Part #280756-4
FF 375 REC 3-6MM2 TPPB



TE Part #2-321026-1
SPLICE,PG BUTT 26-22



TE Part #1-1415526-1
PT78742



TE Part #8-1419111-0
PT570012

Documents

Product Drawings

REC, 8P, BLK, N, RNG, 12, P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_HDP24-18-8PN-L017_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_HDP24-18-8PN-L017_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_HDP24-18-8PN-L017_B.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

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English