

HDP24-18-21SN-L017

✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HDP

TE Internal #: HDP24-18-21SN-L017

Hybrid, Housing for Female Terminals, Wire-to-Wire, 21 Position, Sealable, Black, Wire & Cable, 7.5A Contact Current Rating (Max), Power & Signal

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Connectors > Automotive Connectors > Connector Housings > DEUTSCH HDP20 HOUSINGS



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

Mating Pin Diameter: **1.02 mm [.04 in]**

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

Number of Positions: **21**

Sealable: **Yes**

[All DEUTSCH HDP20 HOUSINGS \(282\)](#)

Features

Product Type Features

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

Configuration Features

Blank Cavity Position	0
Number of Positions	21

Electrical Characteristics

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



Body Features

Cable Exit Angle	180°
Body Material	PA GF
Primary Product Color	Black

Contact Features

Mating Pin Diameter	1.02 mm[.04 in]
Contact Current Rating (Max)	7.5 A

Mechanical Attachment

Mounting Feature	With
Terminal Position Assurance	No
Strain Relief	Add By Accessory
Mating Alignment Type	Polarized
Connector Mounting Type	Bulkhead, Cable Mount (Free-Hanging), Panel Mount

Dimensions

Product Width	44.45 mm[1.75 in]
Product Length	44.75 mm[1.762 in]
Product Height	41.28 mm[1.625 in]
Accepts Wire Insulation Diameter Range	1.02 – 2.41 mm[.04 – .095 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal
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Industry Standards

Degree of Protection	IP67
UL Flammability Rating	20mm Flame Test per Standard UL-94

Packaging Features

Packaging Method	Box
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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: JAN 2021 (211) Candidate List Declared Against: JUL 2019 (201) SVHC > Threshold: Not Yet Reviewed
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-ST273
DEUTSCH SOLID CONTACTS



TE Part # 0411-240-2005
EXT TOOL, SIZE 20, 16-22 AWG, N, RED



TE Part # CAT-D48-SP729
DEUTSCH SEALING PLUGS



TE Part # CAT-H396-CH8172
DEUTSCH HDP20 HOUSINGS

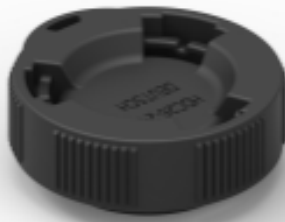




TE Part # CAT-H396-B128
DEUTSCH HDP20 BACKSHELLS



TE Part # CAT-H396-M8649
DEUTSCH HDP20 MOUNTING
HARDWARE



TE Part # CAT-H396-RC8382
DEUTSCH HDP20 RECEPTACLE
PROTECTIVE CAPS



TE Part # CAT-D48-SFT273
DEUTSCH STAMPED & FORMED
CONTACTS



TE Part # CAT-H3930-M8649
DEUTSCH HD30 MOUNTING
HARDWARE



TE Part # CAT-H3930-B128
DEUTSCH HD30 BACKSHELLS



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

Also in the Series

DEUTSCH HD



Automotive Connector Caps & Covers
(47)



Automotive Housings(670)



Automotive Seals & Cavity Plugs(10)



Insertion & Extraction Tools(11)



Other Automotive Connector
Accessories(11)

Also in the Series

DEUTSCH HDP



Automotive Connector Caps & Covers
(12)

Automotive Housings(289)

Insertion & Extraction Tools(11)

Other Automotive Connector
Accessories(5)

Customers Also Bought

TE Part #1011-248-1205
DEUTSCH DT BACKSHELLS

TE Part #HDP26-24-19SE-L017
DEUTSCH HDP20 HOUSINGS

TE Part #3-1703843-1
HEAVY DUTY SEALED CONNECTOR
HOUSINGS

TE Part #1-1969605-8
18P PM PLUG VAL-U-LOK PM GW

TE Part #1852892-7
MACH,U-POD FLAG EAPR110F180O
KOMAX

TE Part #1969655-1
250 FASTON HSG.,REC.,1 POS,
NATRUAL

TE Part #1969717-3
HSG, REC., POS-LOCK, MK I 2P, 6.35
SR YEL

TE Part #2150398-2
OCEAN_2.0_APPLICATOR- E-
100F180O

TE Part #2178561-2
STD-TIM GEH 2P_V0-GWT

Documents

Product Drawings
REC, 21P, BLK, N, RNG, 20, S
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_HDP24-18-21SN-L017_B.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_HDP24-18-21SN-L017_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_HDP24-18-21SN-L017_B.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

Product Environmental Compliance

[Product Compliance](#)

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[Product Compliance](#)

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