

HDP24-24-33PN

✓ ACTIVE

DEUTSCH | [DEUTSCH HD](#), [DEUTSCH HDP](#)

TE Internal #: HDP24-24-33PN

Hybrid, Housing for Male Terminals, Wire-to-Wire, 33 Position, Sealable, Black, Wire & Cable, 7.5A Contact Current Rating (Max), Power & Signal

[View on TE.com >](#)



Connectors > Automotive Connectors > Connector Housings > DEUTSCH HDP20 HOUSINGS



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

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

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

Number of Positions: **33**

Sealable: **Yes**

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

Features

Product Type Features

Connector & Housing Type	Housing for Male 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	33

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	50.8 mm[2 in]
Product Length	41.86 mm[1.648 in]
Product Height	47.63 mm[1.875 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
---------------------	----------------

Industry Standards

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

Packaging Features

Packaging Method	Box
------------------	-----

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: JAN 2021 (211) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.4% in component) 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-ST273
DEUTSCH SOLID CONTACTS



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



TE Part # CAT-H396-CH8172
DEUTSCH HDP20 HOUSINGS



TE Part # CAT-D48-SP729
DEUTSCH SEALING PLUGS



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



TE Part # HD30-24BT
BOOT, 24SZ, ST, GRY

TE Part # HD30-24BT-90-BK
BOOT, 24SZ, RA, BLK

TE Part # CAT-H3930-B128
DEUTSCH HD30 BACKSHELLS

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

TE Part # 62036-40
62036 HDP24 FLANGE-SEAL silicone
60shore

TE Part # MT-90BT-HT-24
BOOT, 24SZ, RA, HI TEMP, YEL

TE Part # MT-90BT-HT-24BK
BOOT, 24SZ, RA, HI TEMP, BLK

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 #1-2176186-0
CRGH1206 1% 680R 0.5W



TE Part #0528-002-6005
DEUTSCH DRC BACKSHELLS



TE Part #114019-ZZ
DEUTSCH SEALING PLUGS



TE Part #Y2428-024-24050000
DEUTSCH HDP20 BACKSHELLS



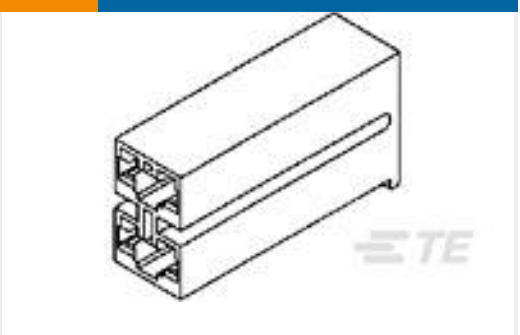
TE Part #1062-16-0988
DEUTSCH STAMPED & FORMED CONTACTS



TE Part #1579007-8
EXTRACTION TOOL



TE Part #1452388-2
SECONDARY LOCK FOR 96 POS CONN



TE Part #100100-1
2 POS POSITIVE LOCK (PL) HOUSING



TE Part #1338603-1
ELT GUARD



TE Part #1-1393302-4
VF711H11/X839

Documents

Product Drawings

REC, 33P, BLK, N, 20, P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_HDP24-24-33PN_C.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_HDP24-24-33PN_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_HDP24-24-33PN_C.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[ICT Terminals and Connectors Catalogue](#)

English

Product Specifications

[Application Specification](#)

English