



Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HDP20 Housings



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

Number of Positions: **9**

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

Sealable: **Yes**

Mating Pin Diameter: **2.4 mm, 3.6 mm, 5.7 mm [.094 in, .142 in, .225 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 Seal Code	N Seal
Number of Positions	9

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 4, Size 8
Contact Type	Pin
Mating Pin Diameter	2.4 mm, 3.6 mm, 5.7 mm[.094 in][.142 in][.225 in]
Contact Current Rating (Max)	25 A, 60 A, 100 A

Mechanical Attachment

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

Housing Features

Housing Material	PA 66 GF
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Dimensions

Connector Height	38.6 mm[1.52 in]
Product Width	49.5 mm[1.95 in]
Product Length	49.5 mm[1.95 in]
Compatible Insulation Diameter Range	3.6 – 5.2 mm[.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
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Industry Standards

Degree of Protection	IP67
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	40
Packaging Method	Tray

Other

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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) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.5% in Component Part) Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part) Decamethylcyclopentasiloxane (D5) (.5% in Component Part) 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-SP729
DEUTSCH Sealing Plugs



TE Part # CAT-H3930-PC8382
Plug Protective Caps - DEUTSCH HD30



TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part # CAT-H396-CH8172
DEUTSCH HDP20 Housings



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



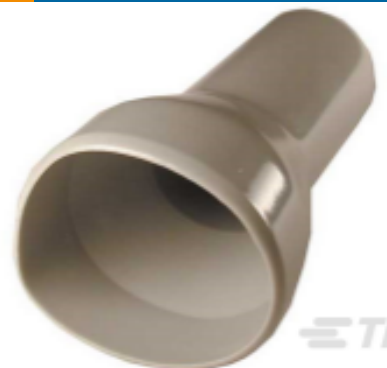
TE Part # 114008-ZZ
EXT TOOL, SIZE 8, 8-10 AWG, N, GRN



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



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 # 1060-12-0244
PIN, SF, SIZE 12, 10, AU/SN

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 #HDP24-24-19PN
DEUTSCH HDP20 Housings



TE Part #1011-264-0405
BKSHL, 4P, BLK, PLG,RA,NW6/7.5/8.5 /10



TE Part #0460-204-08141
PIN, SOLID, SIZE 8, 8-10AWG, NI



TE Part #114019-ZZ
SEALING PLUG, SIZE 4, WHT

Documents

Product Drawings
PLG, 9P, BLK, N, 4/8/12, P

English

CAD Files
3D PDF



3D

Customer View Model

[ENG_CVM_CVM_HDP26-24-9PN_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_HDP26-24-9PN_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_HDP26-24-9PN_C.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[DEUTSCH HD30 & HDP20 CONNECTOR SERIES](#)

English

[ICT Terminals and Connectors Catalogue](#)

English

[CONNECTOR SELECTOR](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English