

HDP24-24-29PE

✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HDP

TE Internal #: HDP24-24-29PE

Housing for Male Terminals, Wire-to-Wire, 29 Position, Sealable, Black, Wire & Cable, Power & Signal, Panel Mount, -67 – 257 °F [-55 – 125 °C], Hybrid

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Connectors > Automotive Connectors > Connector Housings > DEUTSCH HDP20 HOUSINGS



Connector & Housing Type: **Housing for Male Terminals**
Mating Pin Diameter: 1.02 mm, 1.59 mm, 2.39 mm [.04 in, .063 in, .094 in]
Connector System: **Wire-to-Wire**
Number of Positions: **29**
Sealable: **Yes**

[All DEUTSCH HDP20 HOUSINGS \(324\)](#)

Features

Product Type Features

Connector & Housing Shape	Circular
Connector & Housing Type	Housing for Male Terminals
Connector System	Wire-to-Wire
Sealable	Yes
Hybrid Connector	Yes
Primary Locking Feature	Contact Retainer
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Blank Cavity Position	0
Connector Seal Code	E Seal
Number of Positions	29

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
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Contact Features

Contact Size	Size 12, Size 16, Size 20
Contact Type	Pin
Mating Pin Diameter	1.02 mm, 1.59 mm, 2.39 mm[.04 in][.063 in][.094 in]
Contact Current Rating (Max)	7.5 A, 13 A, 25 A

Mechanical Attachment

Mounting Feature	With
Terminal Position Assurance	No
Strain Relief	Add By Accessory
Mating Alignment Type	Guide Post
Mating Alignment	With
Connector Mounting Type	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 – 2.1 mm, 1.35 – 2.62 mm, 2.46 – 4.01 mm[.04 – .083 in][.053 – .103 in][.097 – .158 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

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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: JAN 2022 (223) Candidate List Declared Against: JAN 2022 (223) 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-SP729
DEUTSCH SEALING PLUGS



TE Part # CAT-D48-ST273
DEUTSCH SOLID CONTACTS



TE Part # 0411-337-1205
EXT TOOL, SIZE 12, 12-14 AWG, E, ORG



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

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TE Part # CAT-H3930-B128
DEUTSCH HD30 BACKSHELLS



TE Part # CAT-H396-CH8172
DEUTSCH HDP20 HOUSINGS



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



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



TE Part # 24-D-PUNCH
D-HOLE PUNCH, SIZE 24



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



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



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



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




TE Part # 0411-336-1605
EXT TOOL, SIZE 16, 16-20 AWG, E, DRK BLU

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 (62)



Automotive Housings(742)



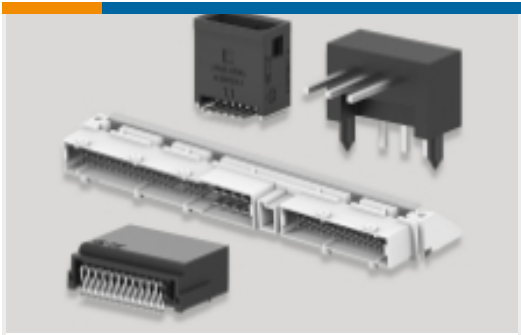
Automotive Seals & Cavity Plugs(10)



Insertion & Extraction Tools(11)



Other Automotive Connector Accessories(11)



PCB Headers & Receptacles(1)

Also in the Series | **DEUTSCH HDP**



Automotive Connector Caps & Covers (12)



Automotive Housings(331)



Automotive Seals & Cavity Plugs(1)



Insertion & Extraction Tools(11)



Other Automotive Connector Accessories(5)

Customers Also Bought



TE Part #HDP24-24-29SE
DEUTSCH HDP20 HOUSINGS



TE Part #2428-008-2405
BKSHL, 24SZ, BLK, ST, NW 25.4, L017, HDP



TE Part #2411-001-2405
PANEL NUT, SIZE 24, HDP



TE Part #DRC16-24SB-P013
PLG, 24P, BLK, N, SEAL BOND, B



TE Part #2297129-1
DTP13-4P-E028, HDR, 4P, GRY, RA,SN /NI/CU



Documents

Product Drawings

REC, 29P, BLK, E, 12/16/20, P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_HDP24-24-29PE_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_HDP24-24-29PE_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_HDP24-24-29PE_E.3d_stp.zip

English

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Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

Product Specifications

Application Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English

Agency Approvals

UL Report

English