HDP24-24-29PE-L024 ✓ ACTIVE

DEUTSCH | **DEUTSCH HDP**, **DEUTSCH HD**

TE Internal #: YHDP24-24-29PEL024

29 Position Housing, Housing for Male Terminals, Wire-to-Wire, Sealable, Black, Wire & Cable, Power, Cable Mount (Free-Hanging), Hybrid

View on TE.com >

Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HDP20 Housings

Number of Positions: **29**

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**

Sealable: **Yes**

All DEUTSCH HDP20 Housings (357)

Features

Product Type Features

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

Configuration Features

Blank Cavity Position	0
Connector Modification	Wide Threaded Adapter
Connector Seal Code	E Seal
Number of Positions	29

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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, 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

Strain Relief	Add By Accessory
Terminal Position Assurance	No
Mating Alignment Type	Guide Post
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PA GF

Dimensions

Compatible Insulation Diameter Range	1.02 – 2.1 mm, 1.35 – 2.62 mm, 2.46 – 4.01 mm[.097 – .158 in][.04 – .083 in][.053 – .103 in]
Product Width	50.8 mm[2 in]
Product Length	41.53 mm[1.635 in]
Connector Height	47.63 mm[1.875 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

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IP Rating	IP67
UL Flammability Rating	20mm Flame Test per Standard UL-94

Packaging Features

Packaging Quantity	1
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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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

HDP24-24-29PE-L024

29 Position Housing, Housing for Male Terminals, Wire-to-Wire, Sealable, Black, Wire & Cable, Power, Cable Mount (Free-Hanging), Hybrid

TE Part # 1060-12-0222
PIN, SF, SIZE 12, 10, NI/NI

TE Part # 1060-20-0277
PIN, SF, SIZE 20, 16-22, SN/SN

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

TE Part # 1060-20-0177
PIN, SF, SIZE 20, 16-22, SN/SN

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

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

TE Part # CAT-H396-RC8382
Receptacle Protective Caps — DEUTSCH HDP20

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

TE Part # CAT-D48-SFT273
DEUTSCH Stamped and Formed Contacts

TE Part # 1060-12-0144
PIN, SF, SIZE 12, 12-14, AU/SN

TE Part # 2300908-1
0460-003-16329, PIN, SOLID, 20-24AWG, AU

TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs

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

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

TE Part # CAT-H396-CH8172
DEUTSCH HDP20 Housings

TE Part # DT-RT1
EXT TOOL, FRONT RELEASE

TE Part # Y2428-024-24050000
BKSHL, 24SZ, BLK, ST, L024, HDP

TE Part # CAT-J67-DSCC16
DEUTSCH Size 16 Crimp Contacts

TE Part # 1060-12-0166
PIN, SF, SIZE 12, 12-14, NI/SN

TE Part # 1060-20-0622
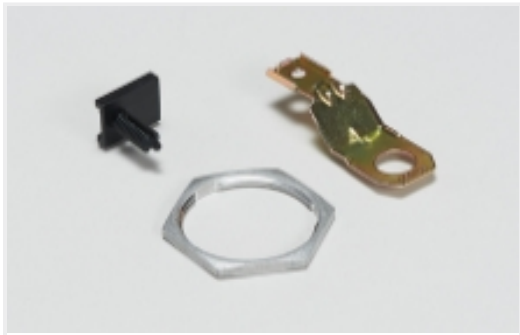PIN, SF, SIZE 20, 14-16, NI/NI

Also in the Series | DEUTSCH HD

HDP24-24-29PE-L024

29 Position Housing, Housing for Male Terminals, Wire-to-Wire, Sealable, Black, Wire
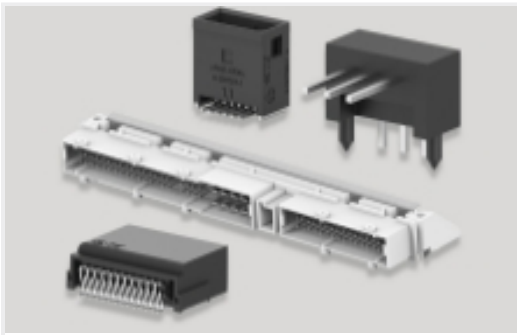& Cable, Power, Cable Mount (Free-Hanging), Hybrid

Automotive Connector Caps & Covers
(4)

Automotive Housings(357)

Other Automotive Connector
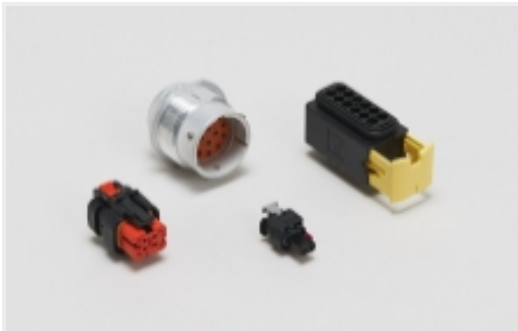Accessories(6)

PCB Headers & Receptacles(1)

Rectangular Power Connectors(1)

Also in the Series | DEUTSCH HDP

Automotive Connector Caps & Covers
(4)

Automotive Housings(357)

Connector Backshells(10)

Connector Seals & Cavity Plugs(1)

Insertion & Extraction Tools(11)

Other Automotive Connector
Accessories(6)

Customers Also Bought

29 Position Housing, Housing for Male Terminals, Wire-to-Wire, Sealable, Black, Wire
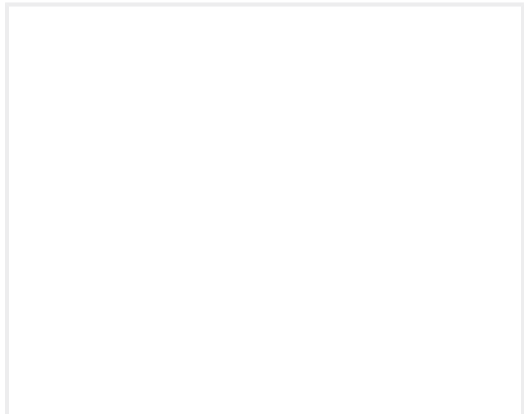& Cable, Power, Cable Mount (Free-Hanging), Hybrid

TE Part #CAT-H396-CH8172
DEUTSCH HDP20 Housings

TE Part #DRB12-48PBE-L018
REC, 48P, BLK, E, CAP, B

TE Part #776533-1
AS16,PLUG ASSY,ST,12P,E SEAL,
CODE A

TE Part #2310362-1
0413-204-2005

Documents

Product Drawings

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

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_YHDP24-24-29PEL024_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_YHDP24-24-29PEL024_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_YHDP24-24-29PEL024_C.3d_stp.zip

English

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Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English