

HDP24-24-23SN ✓ ACTIVE

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

TE Internal #: HDP24-24-23SN

23 Position Housing, Housing for Female Terminals, Wire-to-Panel, Sealable, Black, Wire & Cable, Power, Panel Mount, Hybrid

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HDP20 Housings



Number of Positions: **23**

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

Mating Pin Diameter: **1.6 mm [.063 in]**

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

Sealable: **Yes**

[All DEUTSCH HDP20 Housings \(357\)](#)

Features

Product Type Features

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

Configuration Features

Blank Cavity Position	0
Connector Seal Code	N Seal
Number of Positions	23

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 16
Contact Type	Socket
Mating Pin Diameter	1.6 mm[.063 in]
Contact Current Rating (Max)	13 A

Mechanical Attachment

Strain Relief	Without
Terminal Position Assurance	No
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

Compatible Insulation Diameter Range	1.4 – 3.8 mm[.055 – .15 in]
Product Width	47.6 mm[1.87 in]
Product Length	50.8 mm[2 in]
Connector Height	41.9 mm[1.65 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

IP Rating	IP67
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	150
Packaging Method	Tray

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

 <p>TE Part # 62036-40 62036 HDP24 FLANGE-SEAL silicone 60shore</p>	 <p>TE Part # 0411-204-1605 EXT TOOL, SIZE 16, 16-18 AWG, N, DRK BLU</p>	 <p>TE Part # CAT-D48-SP729 DEUTSCH Sealing Plugs</p>	 <p>TE Part # CAT-H396-CH8172 DEUTSCH HDP20 Housings</p>
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TE Part # WHDS-24-1
STRAIN RELIEF, HD30, 24SZ, ST



TE Part # WHDS-24-2
STRAIN RELIEF, HD30, 24SZ, RA



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



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



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



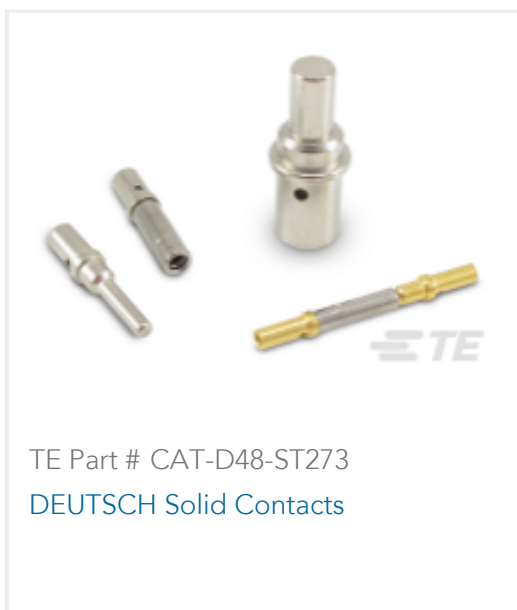
TE Part # CAT-H396-RC8382
Receptacle Protective Caps —
DEUTSCH HDP20



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



TE Part # 0411-291-1405
EXT TOOL, SIZE 16, 14-16 AWG, N,
GRN



TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts



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



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

Also in the Series | **DEUTSCH HD**



Automotive Headers(1)



Automotive Housings(357)



Connector Seals & Cavity Plugs(1)



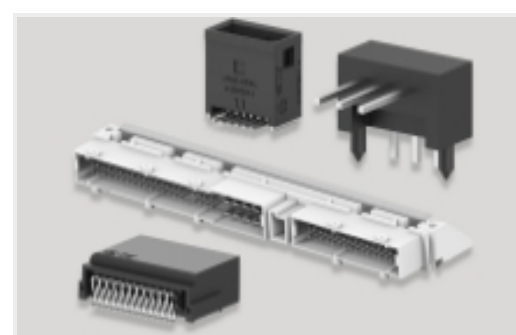
Connector Strain Relief(5)



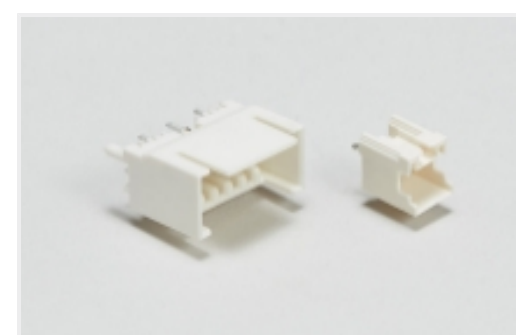
Insertion & Extraction Tools(11)



Other Automotive Connector
Accessories(6)



PCB Headers & Receptacles(1)

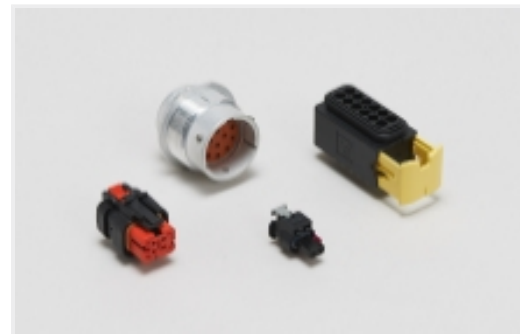


Wire-to-Board Headers & Receptacles
(1)

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



TE Part #776310-1
SECONDARY LOCK



TE Part #HDC36-24
DUST CAP, 24SZ, REC, AL, LANYARD, HD30



TE Part #2414-001-2486
LOCKWASHER, SIZE 24, HDP



TE Part #T2080052101-001
HQ-005-M



TE Part #CAT-H396-CH8172
DEUTSCH HDP20 Housings



TE Part #DT04-12PA-P031
REC, 12P, GRY, BUSBAR 4X3, GOLD, A



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

Documents

[Product Drawings](#)
[REC, 23P, BLK, N, 16, S](#)

English

[CAD Files](#)

[3D PDF](#)

3D

[Customer View Model](#)

[ENG_CVM_CVM_HDP24-24-23SN_B.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_HDP24-24-23SN_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_HDP24-24-23SN_B.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