

HDP24-24-21PN-L017

✓ ACTIVE

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

TE Internal #: HDP24-24-21PN-L017

Housing for Male Terminals, Wire-to-Panel, 21 Position, Sealable, Black, Wire & Cable, Power, Panel Mount, -55 – 125 °C [-67 – 257 °F], Hybrid

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HDP20 Housings



Connector System: **Wire-to-Panel**
Number of Positions: **21**
Connector & Housing Type: **Housing for Male Terminals**
Sealable: **Yes**
Mating Pin Diameter: **1.6 mm, 2.4 mm [.063 in, .094 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 Modification	Ring Adapter
Connector Seal Code	N Seal
Number of Positions	21

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 16
Contact Type	Pin
Mating Pin Diameter	1.6 mm, 2.4 mm[.063 in][.094 in]
Contact Current Rating (Max)	13 A, 25 A

Mechanical Attachment

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

Housing Features

Housing Material	PA 66 GF
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Dimensions

Connector Height	45.8 mm[1.8 in]
Product Width	47.6 mm[1.87 in]
Product Length	50.8 mm[2 in]
Compatible Insulation Diameter Range	1.4 – 3.8 mm, 3.6 – 5.2 mm[.055 – .15 in][.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	30
Packaging Method	Tray



Other

Serviceable	Yes
Connector Position Assurance Capable	No

Product Compliance

For compliance documentation, visit the product page on TE.com>

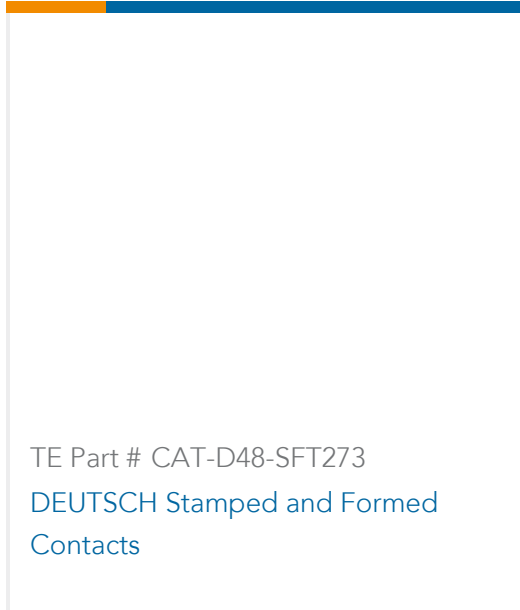
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > 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 # HDP26-24-21SN-L017 PLG, 21P, BLK, N, RNG, 12/16, S	 TE Part # CAT-H396-RC8382 Receptacle Protective Caps — DEUTSCH HDP20	 TE Part # CAT-H396-B128 DEUTSCH HDP20 Backshells
 TE Part # CAT-D48-ST273 DEUTSCH Solid Contacts	 TE Part # CAT-J67-DSCC16 DEUTSCH Size 16 Crimp Contacts	 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 # 2300908-1 0460-003-16329, PIN, SOLID, 20- 24AWG, AU	 TE Part # 24-D-PUNCH D-HOLE PUNCH, SIZE 24	 TE Part # 0411-291-1405 EXT TOOL, SIZE 16, 14-16 AWG, N, GRN
 TE Part # 114010-ZZ EXT TOOL, SIZE 12, 12 AWG, N, YEL	 TE Part # 0411-204-1605 EXT TOOL, SIZE 16, 16-18 AWG, N, DRK BLU	 TE Part # 16-04477 GASKET, 24SZ, BLK, HD30	 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 # CAT-D48-SFT273 DEUTSCH Stamped and Formed Contacts	 TE Part # 62036-40 62036 HDP24 FLANGE-SEAL silicone 60shore

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

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TE Part #DRC16-70SCE-P013
PLG, 70P, BLK, E, SEAL BOND, C

TE Part #2357302-2
BACKSHELL,CONN KIT

TE Part #2209441-1
2W SPLASH PROOF CONN. W.S.L. JPT

TE Part #964274-8
MT2 A REC 1.6 Contact SWS Ag

TE Part #936429-2
HYBRID 42P CAP ASSY BLK

TE Part #2050216-1
Assy' Terminal Ring Tongue M4

TE Part #1897014-2
MT-2/JPT SLD 26P PLUG COVER

TE Part #2304643-4
60POS,AMP MCP 2.8,REC HSG ASSY, SLD

TE Part #2363714-2
REC CONN CVR ASSY,2POS,DT, 180DEG

TE Part #9-1452931-9
76POS,MCON 1.2 CB,REC HSG,ASSY, SLD

Documents

Product Drawings

REC, 21P, BLK, N, RNG, 12/16, P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_HDP24-24-21PN-L017_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_HDP24-24-21PN-L017_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_HDP24-24-21PN-L017_D.3d_stp.zip

English

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Datasheets & Catalog Pages



DEUTSCH HD30 & HDP20 CONNECTOR SERIES

English

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

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Agency Approvals

UL Report

English