

### DEUTSCH | DEUTSCH HD, DEUTSCH HDP

TE Internal #: HDP24-24-35SN

Housing for Female Terminals, Wire-to-Wire, 35 Position, Sealable,

Black, Wire & Cable, Power & Signal, Panel Mount, Hybrid

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Connector & Housing Type: Housing for Female Terminals Mating Pin Diameter: 1.02 mm, 1.59 mm [ .04 in, .063 in ]

Connector System: Wire-to-Wire

Number of Positions: 35

Sealable: Yes

All DEUTSCH HDP20 Housings (324)

### **Features**

### **Product Type Features**

Connector Shape	Circular
Connector & Housing Type	Housing for Female 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	N Seal
Number of Positions	35
Electrical Characteristics	

250 VAC

180°

12 V, 24 V, 48 V

Cable Exit Angle

**Body Features** 

Operating Voltage

Nominal Voltage Architecture



Contact Features  Contact Size Size 16, Size 20  Contact Type Socket  Mating Pin Diameter 1,02 mm, 1,59 mm, 04 in [1043 in]  Contact Current Rating (Max) 7,5 A, 13 A  Mechanical Attachment  Terminal Position Assurance No Strain Relief Add By Accessory  Mating Alignment Type Guide Post  Mating Alignment With Connector Mounting Type Panel Mount  Housing Features  Housing Material PA GF  Dimensions  Connector Height 47,63 mm/1,875 in]  Product Width 50,8 mm/2 in]  Product Length A1,86 mm/1,648 in]  Accepts Insulation Diameter Range 1,02 – 2,41 mm, 2,54 – 3,4 mm/,04 – 095 in].  1,134 in]  Usage Conditions  Operating Temperature (Max) 125 °C(257 °F)  Operating Temperature Range 55 – 125 °C(-67 – 257 °F)  Operating Temperature Range 155 – 125 °C(-67 – 257 °F)  Operating Temperature Range 104 physication Power & Signal Industry Standards  Degree of Protection IP67  UL Hammability Rating 20mm Hame Lest per Standard UL 94  Packaging Features  Packaging Features  Packaging Features  Packaging Method Box  Cther	Primary Product Color	Black
Marting Pin Diameter	Contact Features	
Mating Pin Diameter 1.02 mm, 1.59 mm [.04 in] [.063 in]  Contact Current Rating (Max) 7.5 A, 13 A  Mechanical Attachment  Terminal Position Assurance No Strain Relief Add By Accessory  Mating Alignment Type Guide Post  Mating Alignment Type Guide Post  Mating Alignment With  Connector Mounting Type Panel Mount  Housing Features  Housing Material PA GF  Dimensions  Connector Height 47.63 mm [1.875 in]  Product Width 50.8 mm [2 in]  Product Length 41.86 mm [1.648 in]  Accepts Insulation Diameter Range 1.02 - 2.41 mm, 2.54 - 3.4 mm [.04095 in][. 1131 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  Industry Standards  Degree of Protection IP67  UL Flammability Rating 20mm Flame Test per Standard UL-94  Packaging Features  Fackaging Mathod Box	Contact Size	Size 16, Size 20
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Strain Relief Add By Accessory  Mating Alignment Type Guide Post  Mating Alignment  Mith  Connector Mounting Type Panel Mount  Housing Features  Housing Material PA GF  Dimensions  Connector Height 47.63 mm[1.875 in]  Product Width 50.8 mm[2 in]  Product Length 41.86 mm[1.648 in]  Accepts Insulation Diameter Range 1.02 – 2.41 mm, 2.54 – 3.4 mm[.04 – .095 in][. 1 – .134 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  Industry Standards  Degree of Protection IP67  UL Flammability Rating 20mm Flame Test per Standard UL-94  Packaging Features  Packaging Method Box	Mechanical Attachment	
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Packaging Features  Packaging Method  Box	Degree of Protection	IP67
Packaging Method  Box	UL Flammability Rating	20mm Flame Test per Standard UL-94
	Packaging Features	
Other	Packaging Method	Box
	Other	
Serviceable Yes	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 2023 (233) Candidate List Declared Against: JAN 2023 (233) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.4% 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 # 0411-291-1405 EXT TOOL, SIZE 16, 14-16 AWG, N,



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



TE Part # CAT-H3930-B128 DEUTSCH HD30 Backshells



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



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



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



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



TE Part # 1062-20-0622 SOC, SF, SIZE 20, 14-16, NI/NI



TE Part # 1062-20-0244 SOC, SF, SIZE 20, 16-22, AU/SN



TE Part # 1062-20-0222 SOC, SF, SIZE 20, 16-22, NI/NI



TE Part # 1062-20-0322 SOC, SF, SIZE 20, 16-22, SLEVLESS, NI



TE Part # 1062-20-0122 SOC, SF, SIZE 20, 16-22, NI/NI



TE Part # 1062-20-0144 SOC, SF, SIZE 20, 16-22, AU/SN



TE Part # 1062-20-0377 SOC, SF, SIZE 20, 16-22, SLEVLESS, SN

## Also in the Series | DEUTSCH HD



Automotive Connector Caps & Covers



Automotive Housings(741)



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 #HD18-003 **BACK SHELL** 



TE Part #HDC26-24 DUST CAP, 24SZ, REC, BLK, HDP



DUST CAP ASM





TE Part #K1004425 Relay 30-213-12



TE Part #1924939-1 PLUG ASSY, 96P GPEC II KEY A RIGHT **EXIT** 



TE Part #1924779-1 WIRE DRESS ASSY, 96P GPEC II



TE Part #1924941-1 PLUG ASSY, 96P GPEC II KEY C RIGHT **EXIT** 





TE Part #K1156044 12V/24V-Disconnect Unit 89-06-000

### **Documents**

### **Product Drawings**

REC, 35P, BLK, N, 16/20, S

English

### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_HDP24-24-35SN\_A.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_HDP24-24-35SN\_A.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_HDP24-24-35SN\_A.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

### Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

### **Product Specifications**

**Application Specification** 

English

### Agency Approvals

**UL Report** 

English