

HDP24-24-21SN-L015

✓ ACTIVE

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

TE Internal #: HDP24-24-21SN-L015

Housing for Female Terminals, Wire-to-Wire, 21 Position, Sealable,
Black, Wire & Cable, 13A / 25A Contact Current Rating (Max),
Power & Signal

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Connectors > Automotive Connectors > Connector Housings > DEUTSCH HDP20 HOUSINGS



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

Mating Pin Diameter: **1.59 mm, 2.39 mm [.063 in, .094 in]**

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

Number of Positions: **21**

Sealable: **Yes**

[All DEUTSCH HDP20 HOUSINGS \(282\)](#)

Features

Product Type Features

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
Number of Positions	21

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

Contact Features

Mating Pin Diameter	1.59 mm, 2.39 mm[.063 in][.094 in]
Contact Current Rating (Max)	13 A, 25 A

Mechanical Attachment

Mounting Feature	With
Terminal Position Assurance	No
Strain Relief	Add By Accessory
Mating Alignment Type	Polarized
Connector Mounting Type	Bulkhead, Cable Mount (Free-Hanging), Panel Mount

Dimensions

Product Width	50.8 mm[2 in]
Product Length	58.67 mm[2.31 in]
Product Height	47.63 mm[1.875 in]
Accepts Wire Insulation Diameter Range	2.54 – 3.4 mm, 3.4 – 4.32 mm[.1 – .134 in][.134 – .17 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

Serviceable	Yes
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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 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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 # 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 # CAT-H396-B128
DEUTSCH HDP20 BACKSHELLS



TE Part # CAT-D48-SP729
DEUTSCH SEALING PLUGS





TE Part # CAT-H3910-B128
DEUTSCH HD10 BACKSHELLS



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



TE Part # CAT-H3930-M8649
DEUTSCH HD30 MOUNTING HARDWARE



TE Part # CAT-H396-CH8172
DEUTSCH HDP20 HOUSINGS



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



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



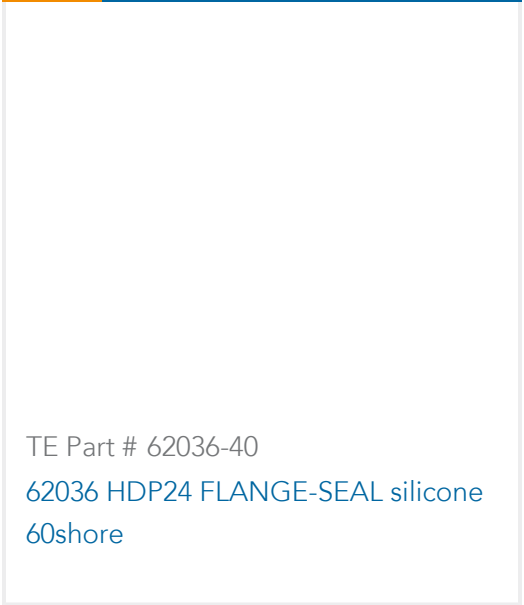
TE Part # HD30-24BT
BOOT, 24SZ, ST, GRY



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

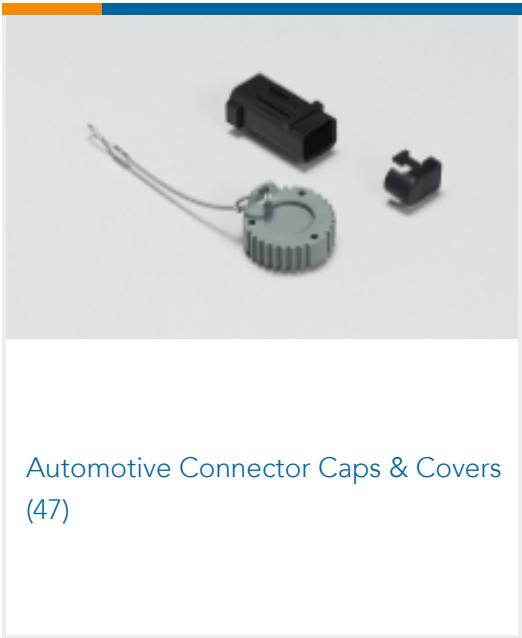


TE Part # 16-04477
GASKET, 24SZ, BLK, HD30

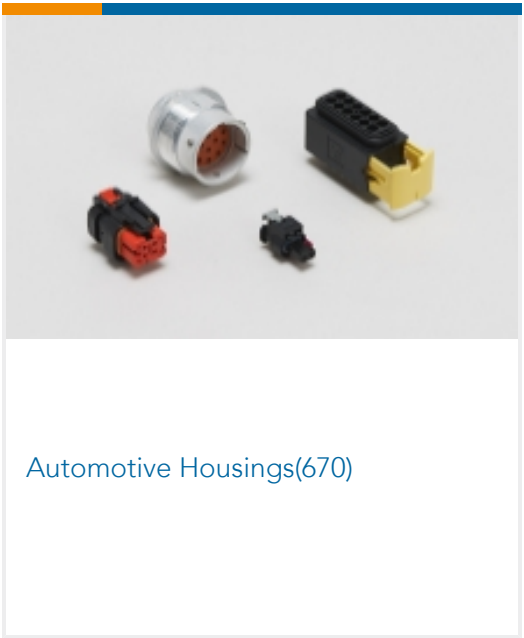


TE Part # 62036-40
62036 HDP24 FLANGE-SEAL silicone 60shore

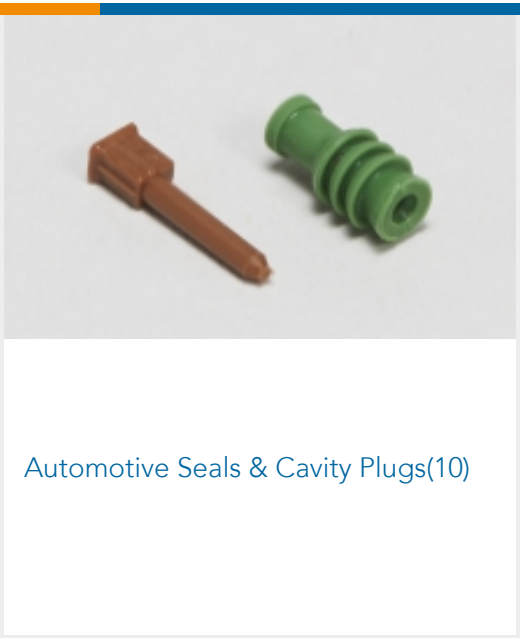
Also in the Series | **DEUTSCH HD**



Automotive Connector Caps & Covers (47)



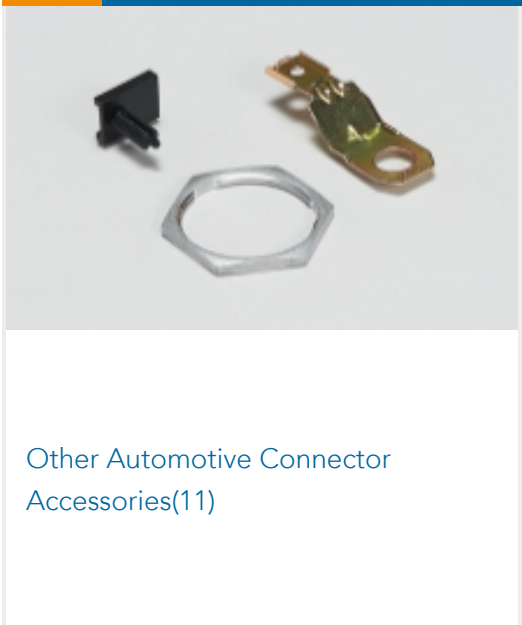
Automotive Housings(670)



Automotive Seals & Cavity Plugs(10)



Insertion & Extraction Tools(11)



Other Automotive Connector Accessories(11)

Also in the Series | **DEUTSCH HDP**



Automotive Connector Caps & Covers (12)

Automotive Housings(289)

Insertion & Extraction Tools(11)

Other Automotive Connector Accessories(5)

Customers Also Bought

TE Part #1823500-1
LEAVYSEAL BACKSHELLS

TE Part #1-967622-1
TIMER, CONNECTOR HOUSING

TE Part #2-1564337-1
HEAVY DUTY SEALED CONNECTOR HOUSINGS

TE Part #1379114-2
SIGNAL HEADER

TE Part #18-D-PUNCH
DEUTSCH HD30 MOUNTING HARDWARE

TE Part #HDP26-24-9SN-L017
DEUTSCH HDP20 HOUSINGS

TE Part #1544351-1
CAP.CLIP DRAPEAU 6

TE Part #1544113-4
CLIP DRAP. 6,3 G1

TE Part #1393454-2
V23542C1028Z102=28P ABDECKKAPP

Documents

Product Drawings
REC, 21P, BLK, N, THD, 12/16, S
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_HDP24-24-21SN-L015_C.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_HDP24-24-21SN-L015_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_HDP24-24-21SN-L015_C.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[CONNECTOR SELECTOR](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English