HDP24-24-29SE-L017 ✔ ACTIVE

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

TE Internal #: HDP24-24-29SE-L017

Housing for Female Terminals, Wire-to-Wire, 29 Position, Sealable, Black, Wire & Cable, Power & Signal, Panel Mount, Hybrid

View on TE.com >

Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HDP20 Housings

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

Mating Pin Diameter: **1.02 mm, 1.59 mm, 2.39 mm [.04 in, .063 in, .094 in]**

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

Number of Positions: **29**

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 Modification	Ring Adapter
Connector Seal Code	E Seal
Number of Positions	29

Electrical Characteristics

Operating Voltage	250 VAC
Nominal Voltage Architecture	12 V, 24 V, 48 V

Body Features

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Cable Exit Angle	180°
Primary Product Color	Black

Contact Features

Contact Size	Size 12, Size 16, Size 20
Contact Type	Socket
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

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	45.77 mm[1.802 in]
Compatible Insulation Diameter Range	1.02 – 2.1 mm, 1.35 – 2.62 mm, 2.46 – 4.01 mm[.04 – .083 in][.053 – .103 in][.097 – .158 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 Quantity	160

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Packaging Method	Box

Other

Serviceable	Yes
Connector Position Assurance Capable	No

Product Compliance

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

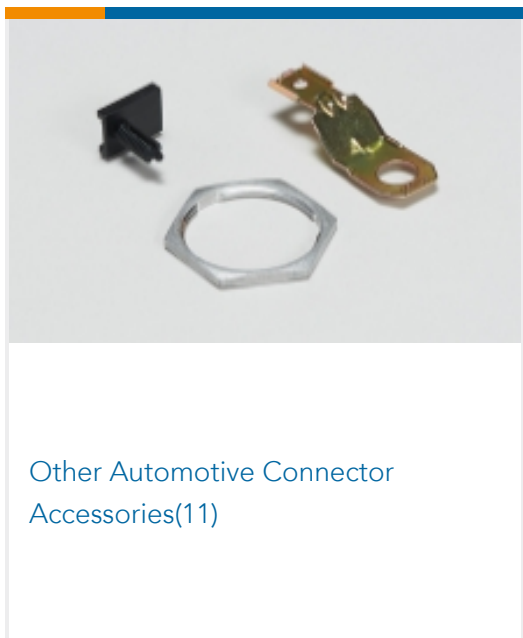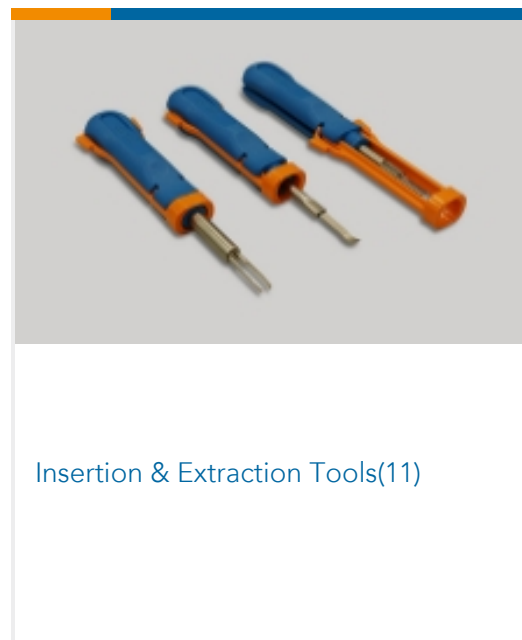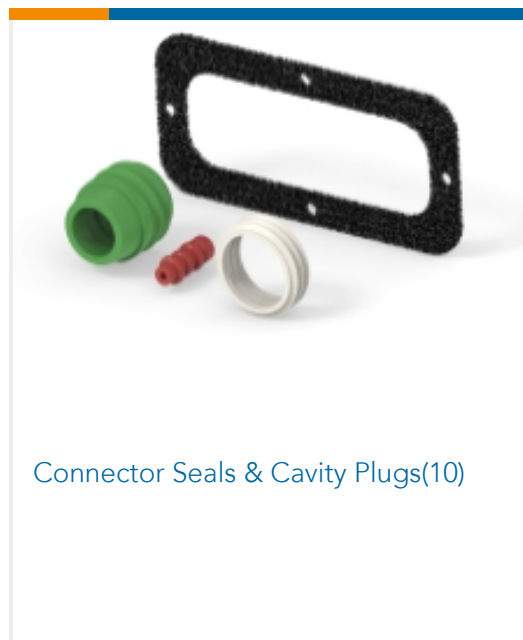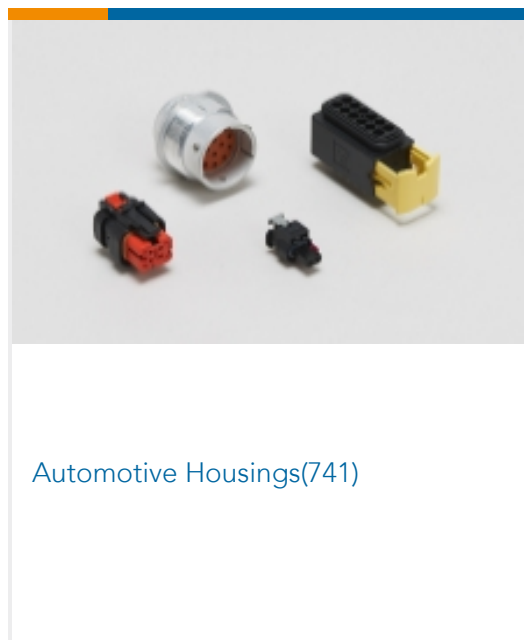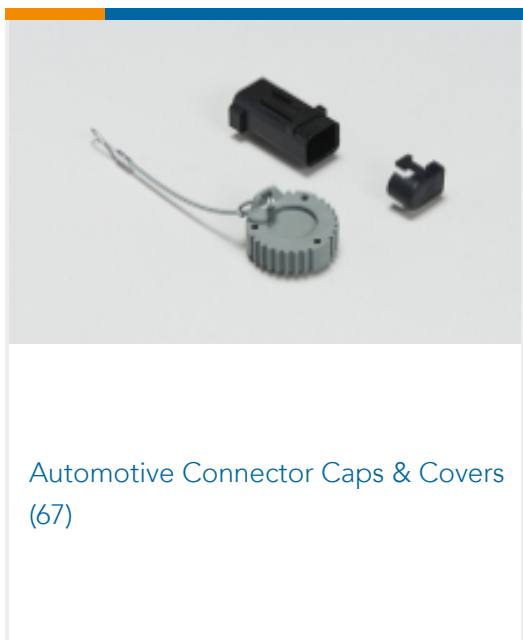| EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JAN 2023 (233) Does 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 # CAT-D48-SP729
DEUTSCH Sealing Plugs

TE Part # CAT-H396-CH8172
DEUTSCH HDP20 Housings

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

TE Part # CAT-H396-B128
DEUTSCH HDP20 Backshells

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

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

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

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

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

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

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

Also in the Series | DEUTSCH HD

Automotive Connector Caps & Covers (67)

Automotive Housings(741)

Connector Seals & Cavity Plugs(10)

Insertion & Extraction Tools(11)

Other Automotive Connector Accessories(11)

PCB Headers & Receptacles(1)

Also in the Series | DEUTSCH HDP

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Automotive Connector Caps & Covers (12)

Automotive Housings(331)

Connector Seals & Cavity Plugs(1)

Insertion & Extraction Tools(11)

Other Automotive Connector Accessories(5)

Customers Also Bought

TE Part #DRC12-40PC
DEUTSCH DRC Housings

TE Part #HDP24-24-47SE-L017
DEUTSCH HDP20 Housings

TE Part #DT04-4P-CE09
REC, 4P, BLK, E, XCAP

TE Part #DT06-12SB-CE13
PLG, 12P, BLK, E,SEAL RET,ENH KEY, XCAP,B

Documents

Product Drawings
REC, 29P, BLK, E, RNG, 12/16/20, S

English

CAD Files
3D PDF

3D

Customer View Model
ENG_CVM_CVM_HDP24-24-29SE-L017_B.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_HDP24-24-29SE-L017_B.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_HDP24-24-29SE-L017_B.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL Report

English