

# HDP24-24-47SE-L015 ✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HDP

TE Internal #: HDP24-24-47SE-L015

Housing for Female Terminals, Wire-to-Wire, 47 Position, Sealable, Black, Wire & Cable, Power & Signal, Panel Mount, -67 – 257 °F [-55 – 125 °C]

[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 [ .04 in, .063 in ]

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

Number of Positions: **47**

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	Threaded Adapter
Connector Seal Code	E Seal
Number of Positions	47

### Electrical Characteristics

Operating Voltage	250 VAC
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, Size 20
Contact Type	Socket
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	With
Connector Mounting Type	Panel Mount

### Housing Features

Housing Material	PA GF
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### Dimensions

Connector Height	47.63 mm [1.875 in]
Product Width	50.8 mm [2 in]
Product Length	58.67 mm [2.31 in]
Accepts Insulation Diameter Range	1.02 – 2.1 mm, 1.35 – 2.62 mm [.04 – .083 in][.053 – .103 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
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UL Flammability Rating

20mm Flame Test per Standard UL-94

### Packaging Features

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: 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 &gt; 900 ppm.

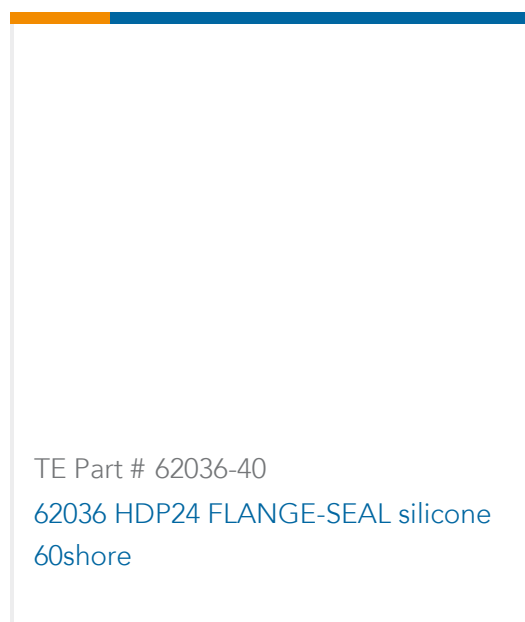
Solder Process Capability

Not reviewed for solder process capability

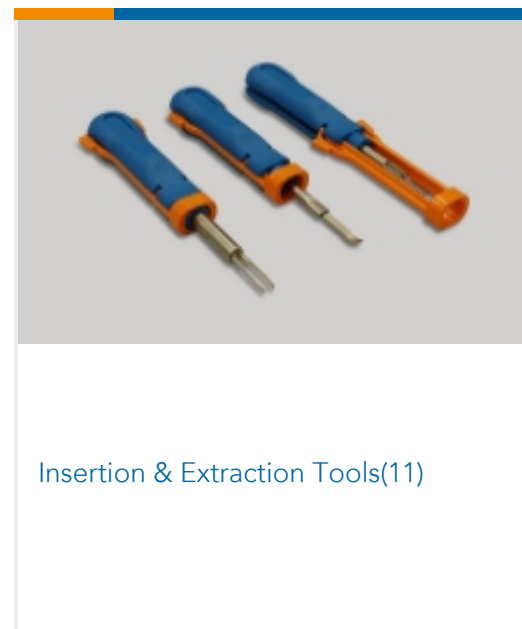
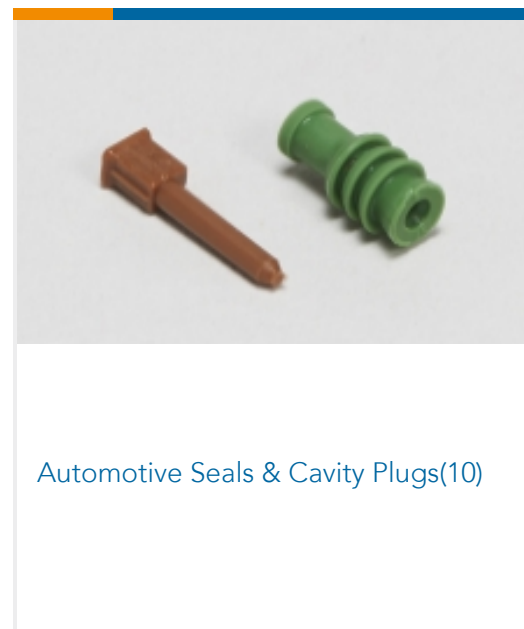
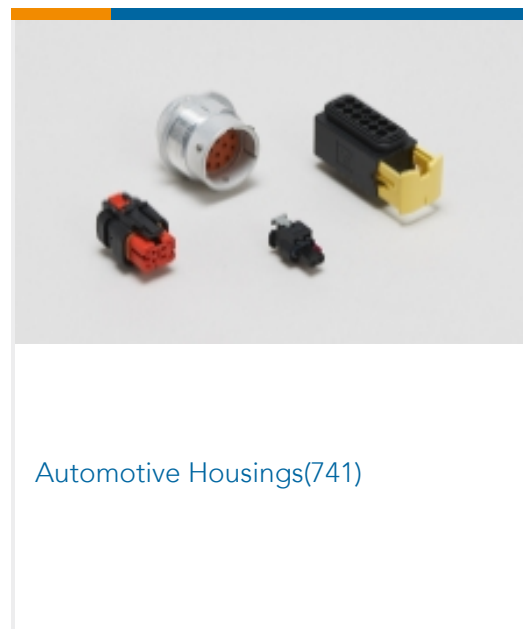
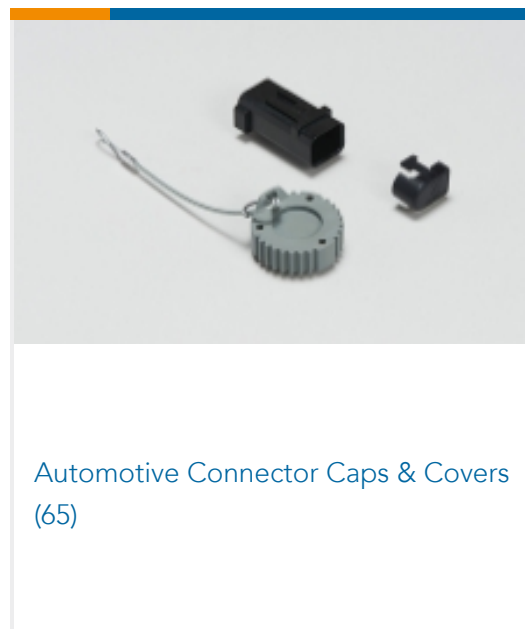
#### Product Compliance Disclaimer

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



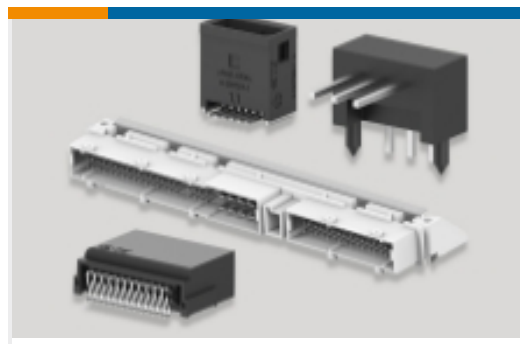
Also in the Series | **DEUTSCH HD**







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)

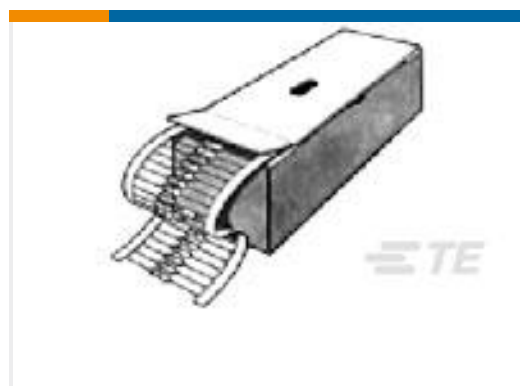
## Customers Also Bought



TE Part #HDP26-24-33PN-L015  
DEUTSCH HDP20 Housings



TE Part #M902-2054  
COMP NUT, 6/9/24SZ,CBL SZ .570-.710,HD10



TE Part #2176082-2  
EP 3W (S) 15R 5%



TE Part #M902-2244  
BKSHL, 24SZ, CBL SZ .570-710, HDP L015



TE Part #DT12-L012-GKT  
GASKET DT 12 WY FLD RC



## Documents

### Product Drawings

[REC, 47P, BLK, E, THD, 16/20, S](#)

English

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### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_HDP24-24-47SE-L015\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_HDP24-24-47SE-L015\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_HDP24-24-47SE-L015\\_B.3d\\_stp.zip](#)

English

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### Product Specifications

[Application Specification](#)

English

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### Agency Approvals

[UL Report](#)

English