

# HD36-24-31ST-059 ✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HD30

TE Internal #: HD36-24-31ST-059

Housing for Female Terminals, Wire-to-Wire, 31 Position, Sealable, Wire & Cable, Power & Signal, Cable Mount (Free-Hanging), Hybrid

[View on TE.com >](#)



Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HD30 Housings



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

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

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

Number of Positions: **31**

Sealable: **Yes**

[All DEUTSCH HD30 Housings \(358\)](#)

## Features

### Product Type Features

Connector Shape	Circular
Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Wire
Sealable	Yes
Hybrid Connector	No
Primary Locking Feature	Contact Retainer
Connector & Contact Terminates To	Wire & Cable

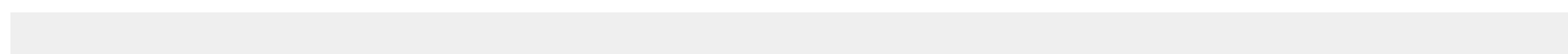
### Configuration Features

Blank Cavity Position	0
Connector Modification	Cable Clamp
Connector Seal Code	T Seal
Number of Positions	31

### Electrical Characteristics

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

### Body Features





Cable Exit Angle	180°
------------------	------

**Contact Features**

Contact Size	Size 16
Contact Type	Socket
Mating Pin Diameter	1.59 mm[.063 in]
Contact Current Rating (Max)	13 A

**Mechanical Attachment**

Terminal Position Assurance	No
Strain Relief	With
Mating Alignment Type	Guide Slot
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

**Housing Features**

Housing Material	Aluminum
------------------	----------

**Dimensions**

Connector Height	49.32 mm[1.942 in]
Product Width	49.32 mm[1.942 in]
Product Length	81.05 mm[3.191 in]
Compatible Insulation Diameter Range	2.23 – 2.69 mm[.088 – .106 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
----------------------	------

**Packaging Features**

Packaging Quantity	80
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

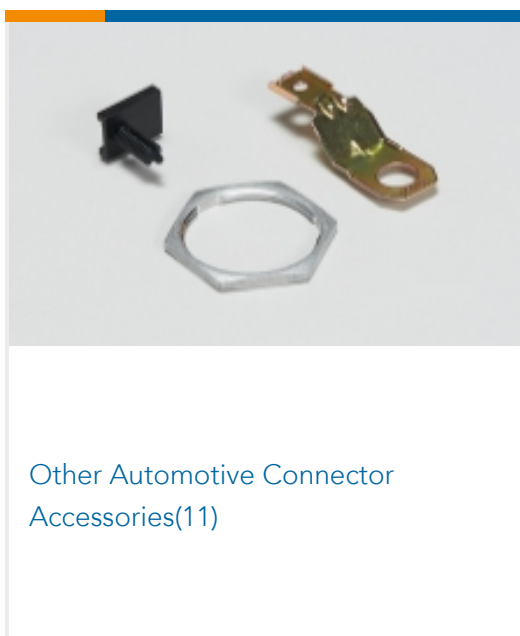
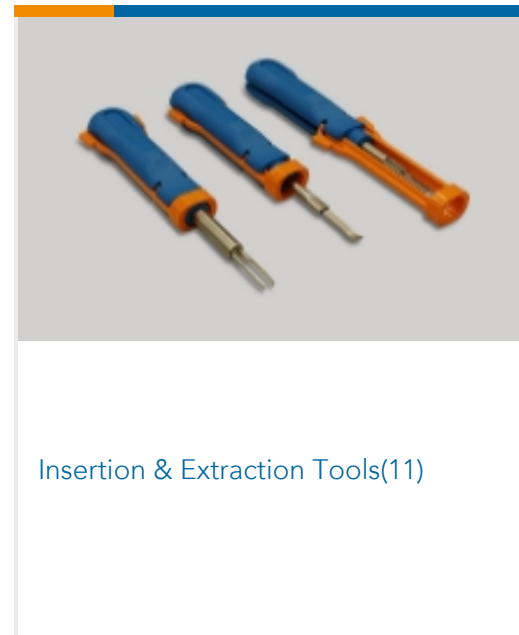
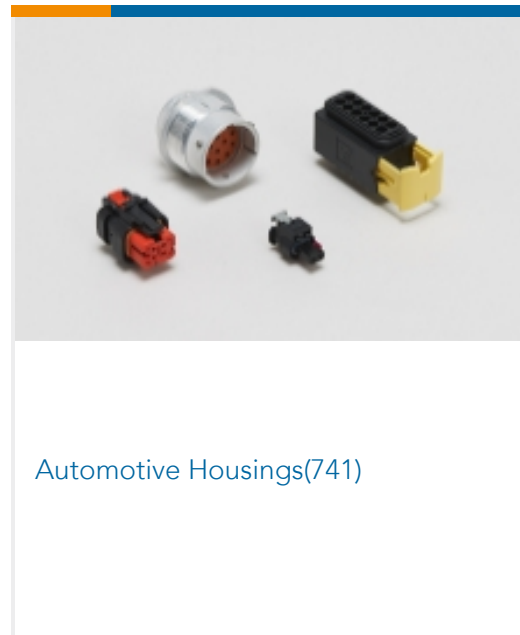
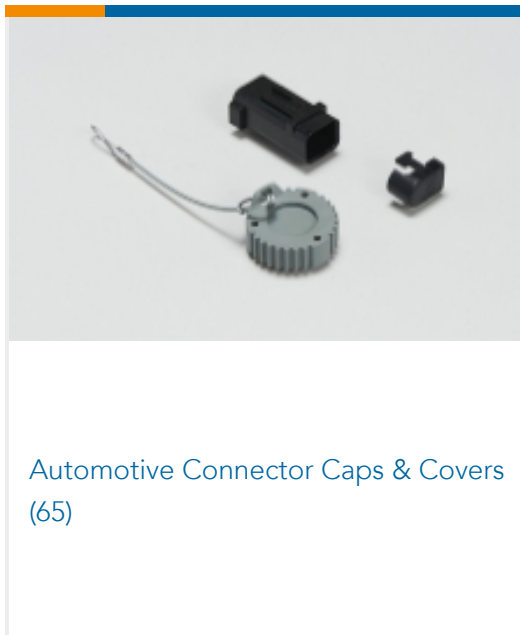
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

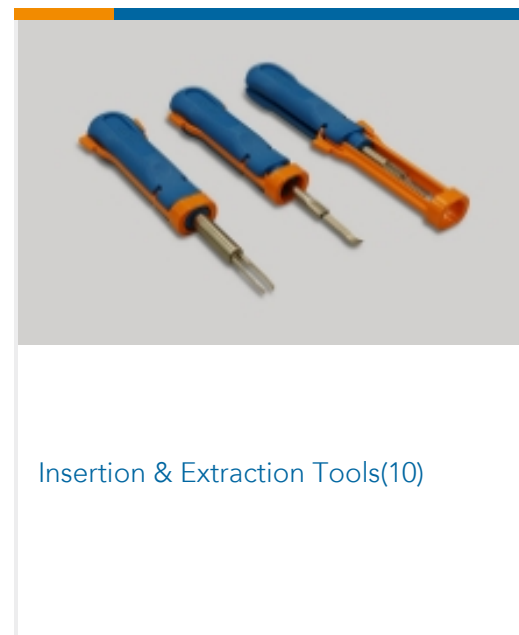
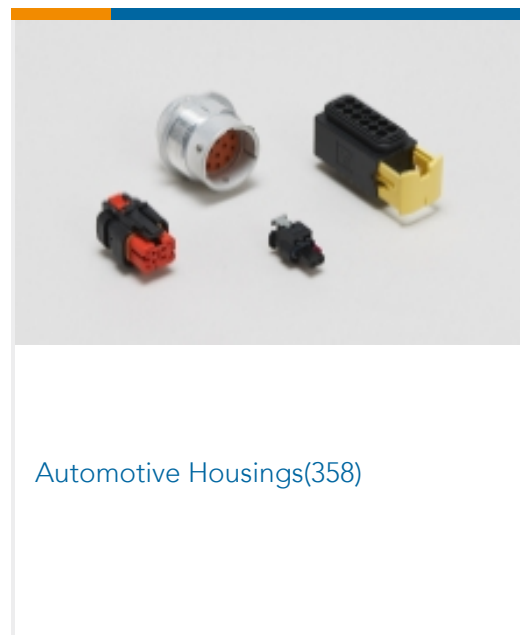
 <p>TE Part # CAT-H3930-CH8172 DEUTSCH HD30 Housings</p>	 <p>TE Part # CAT-H3930-PC8382 Plug Protective Caps - DEUTSCH HD30</p>	 <p>TE Part # CAT-D48-ST273 DEUTSCH Solid Contacts</p>	 <p>TE Part # CAT-J67-DSCC16 DEUTSCH Size 16 Crimp Contacts</p>
---	---	---	--



### Also in the Series | DEUTSCH HD



### Also in the Series | DEUTSCH HD30





Other Automotive Connector Accessories(6)

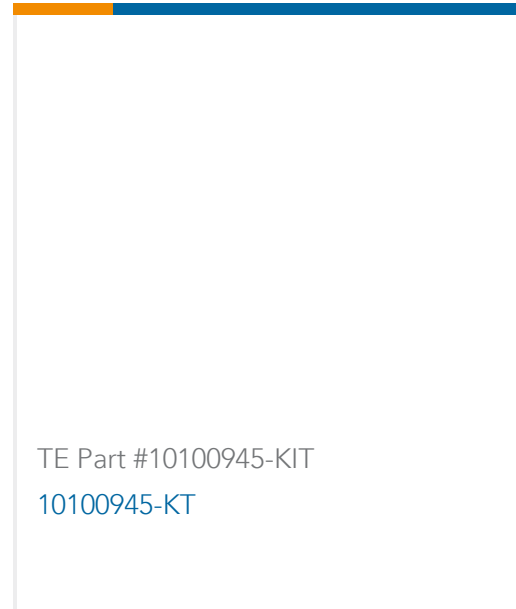
## Customers Also Bought



TE Part #HD36-24-23ST  
DEUTSCH HD30 Housings



TE Part #DT04-12PB-P016  
DEUTSCH DT Receptacle Connectors



TE Part #10100945-KIT  
10100945-KT

## Documents

### Product Drawings

[PLG,31P,AL,T, CBL CLMP BT, DRAIN,16,S,MC](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_HD36-24-31ST-059\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_HD36-24-31ST-059\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_HD36-24-31ST-059\\_B.3d\\_stp.zip](#)

English

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

### Product Specifications

[Application Specification](#)

English