

HDP24-24-23SE-L017

✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HDP

TE Internal #: HDP24-24-23SE-L017

Housing for Female Terminals, Wire-to-Panel, 23 Position, Sealable, Black, Wire & Cable, Power, Panel Mount, -55 – 125 °C [-67 – 257 °F]

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HDP20 Housings



Connector System: **Wire-to-Panel**  
Number of Positions: **23**  
Connector & Housing Type: **Housing for Female Terminals**  
Sealable: **Yes**  
Mating Pin Diameter: **1.6 mm [ .063 in ]**

[All DEUTSCH HDP20 Housings \(357\)](#)

Features

Product Type Features

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

Configuration Features

|                        |              |
|------------------------|--------------|
| Blank Cavity Position  | 0            |
| Connector Modification | Ring Adapter |
| Connector Seal Code    | E Seal       |
| Number of Positions    | 23           |

Electrical Characteristics



|                              |         |
|------------------------------|---------|
| Operating Voltage            | 250 VAC |
| Nominal Voltage Architecture | 250 V   |

Body Features

|                       |       |
|-----------------------|-------|
| Cable Exit Angle      | 180°  |
| Primary Product Color | Black |

Contact Features

|                              |                 |
|------------------------------|-----------------|
| Contact Size                 | Size 16         |
| Contact Type                 | Socket          |
| Mating Pin Diameter          | 1.6 mm[.063 in] |
| Contact Current Rating (Max) | 13 A            |

Mechanical Attachment

|                             |                   |
|-----------------------------|-------------------|
| Terminal Position Assurance | No                |
| Strain Relief               | Without           |
| Mating Alignment Type       | Polarization Slot |
| Mating Alignment            | With              |
| Connector Mounting Type     | Panel Mount       |

Housing Features

|                  |          |
|------------------|----------|
| Housing Material | PA 66 GF |
|------------------|----------|

Dimensions

|                                      |                             |
|--------------------------------------|-----------------------------|
| Connector Height                     | 45.8 mm[1.8 in]             |
| Product Width                        | 47.6 mm[1.87 in]            |
| Product Length                       | 50.8 mm[2 in]               |
| Compatible Insulation Diameter Range | 1.4 – 3.8 mm[.055 – .15 in] |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature (Max) | 125 °C[257 °F]             |
| Operating Temperature Range | -55 – 125 °C[-67 – 257 °F] |

Operation/Application

|                     |       |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Industry Standards

|                        |          |
|------------------------|----------|
| Degree of Protection   | IP67     |
| UL Flammability Rating | UL 94V-0 |

Packaging Features



|                    |      |
|--------------------|------|
| Packaging Quantity | 30   |
| Packaging Method   | Tray |

Other

|                                      |     |
|--------------------------------------|-----|
| Serviceable                          | Yes |
| Connector Position Assurance Capable | No  |

Product Compliance

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

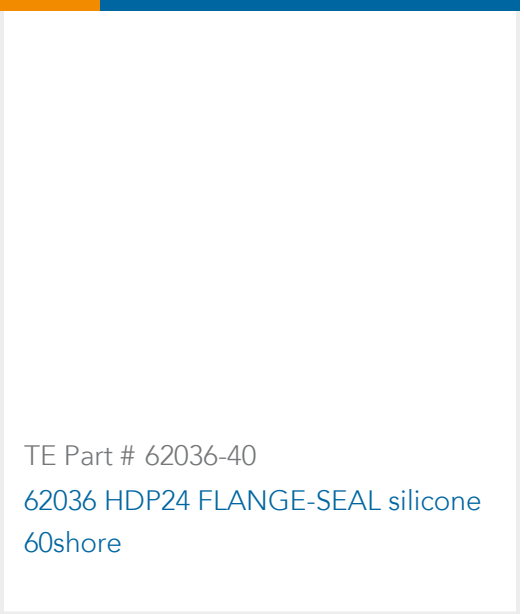
|                                               |                                                                                                                                 |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>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

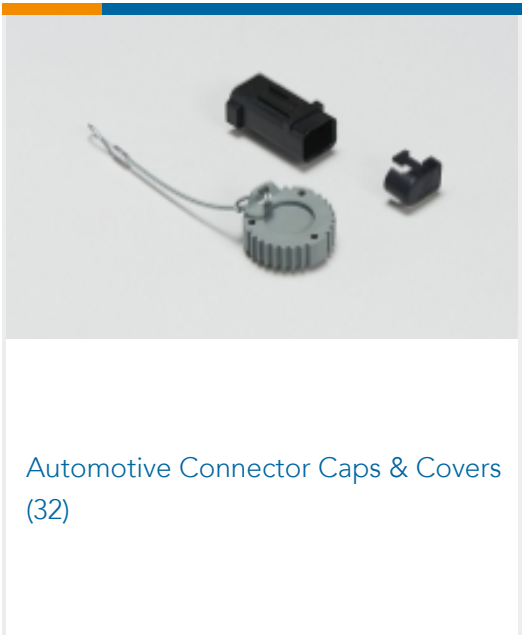
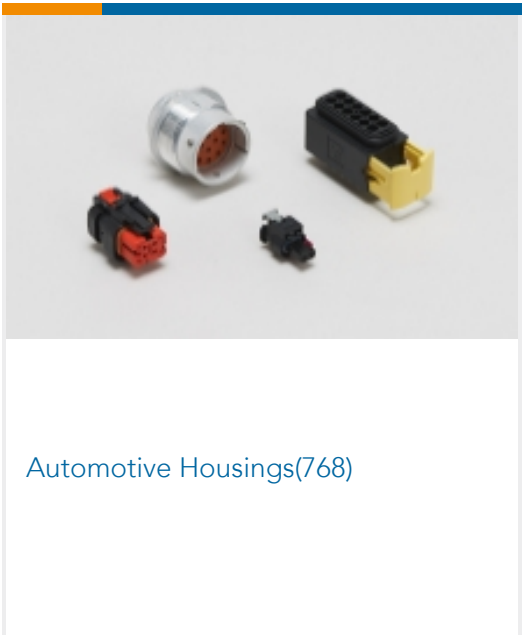
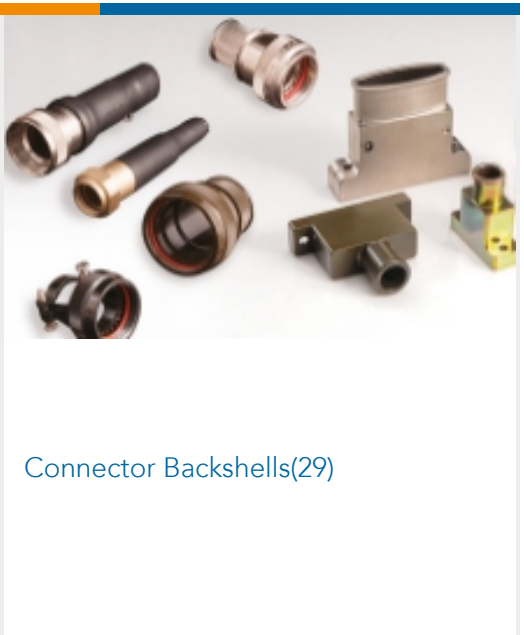
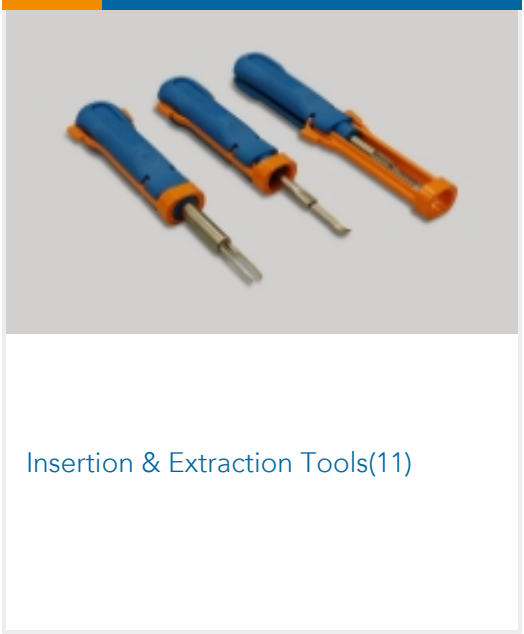
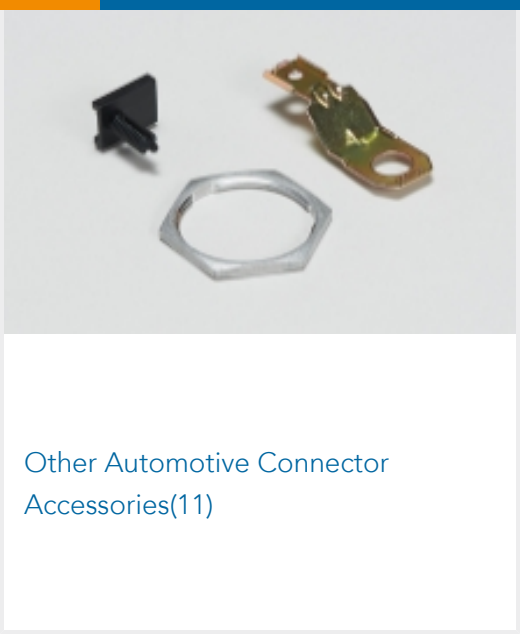
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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-H396-CH8172<br/>DEUTSCH HDP20 Housings</p> |  <p>TE Part # CAT-H396-RC8382<br/>Receptacle Protective Caps —<br/>DEUTSCH HDP20</p> |  <p>TE Part # CAT-D48-SP729<br/>DEUTSCH Sealing Plugs</p>                     |  <p>TE Part # CAT-H396-B128<br/>DEUTSCH HDP20 Backshells</p> |
|  <p>TE Part # HD30-24BT-BK<br/>BOOT, 24SZ, ST, BLK</p>      |  <p>TE Part # 24-D-PUNCH<br/>D-HOLE PUNCH, SIZE 24</p>                              |  <p>TE Part # 16-04477<br/>GASKET, 24SZ, BLK, HD30</p>                       |  <p>TE Part # HD30-24BT<br/>BOOT, 24SZ, ST, GRY</p>         |
|  <p>TE Part # HD30-24BT-90-BK<br/>BOOT, 24SZ, RA, BLK</p>  |  <p>TE Part # 0411-336-1605<br/>EXT TOOL, SIZE 16, 16-20 AWG, E,<br/>DRK BLU</p>   |  <p>TE Part # 62036-40<br/>62036 HDP24 FLANGE-SEAL silicone<br/>60shore</p> |                                                                                                                                                 |

Also in the Series | **DEUTSCH HD**

|                                                                                                                                            |                                                                                                                                  |                                                                                                                                             |                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Automotive Connector Caps &amp; Covers<br/>(32)</p> |  <p>Automotive Housings(768)</p>             |  <p>Connector Backshells(29)</p>                       |  <p>Connector Seals &amp; Cavity Plugs(10)</p> |
|  <p>Connector Strain Relief(5)</p>                      |  <p>Insertion &amp; Extraction Tools(11)</p> |  <p>Other Automotive Connector<br/>Accessories(11)</p> |  <p>PCB Headers &amp; Receptacles(1)</p>       |

Also in the Series | **DEUTSCH HDP**



Automotive Connector Caps & Covers (4)

Automotive Housings(357)

Connector Backshells(8)

Connector Seals & Cavity Plugs(1)

Insertion & Extraction Tools(11)

Other Automotive Connector Accessories(5)

Customers Also Bought

TE Part #YHDP26-24-47SEL024  
DEUTSCH HDP20 Housings

TE Part #2428-010-2405  
COVER,24SZ,BLK,ST,NW17,19,23,26,L017,HDP

TE Part #2141034-1  
FUSE BOX ASSY,HARD WIRED,PRE FUSE

TE Part #881572-3  
FUSE CONTACT BUS BA

Documents

Product Drawings  
REC, 23P, BLK, E, RNG, 16, S  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_HDP24-24-23SE-L017\_B.2d\_dxf.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_HDP24-24-23SE-L017\_B.3d\_igs.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_HDP24-24-23SE-L017\_B.3d\_stp.zip  
English

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



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Datasheets & Catalog Pages

DEUTSCH HD30 & HDP20 CONNECTOR SERIES

English

CONNECTOR SELECTOR

English

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Product Specifications

Application Specification

English

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Agency Approvals

UL Report

English