

HD36-24-31PE

✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HD30

TE Internal #: HD36-24-31PE

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

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Connectors > Automotive Connectors > Connector Housings > DEUTSCH HD30 HOUSINGS



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

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

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

Number of Positions: **31**

Sealable: **Yes**

[All DEUTSCH HD30 HOUSINGS \(357\)](#)

Features

Product Type Features

Connector & Housing Shape	Circular
Connector & Housing Type	Housing for Male 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 Seal Code	E Seal
Number of Positions	31

Electrical Characteristics

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

Body Features

Cable Exit Angle	180°
Body Material	Aluminum



Contact Features

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

Mechanical Attachment

Mounting Feature	Without
Terminal Position Assurance	No
Strain Relief	Add By Accessory
Mating Alignment Type	Guide Slot
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Dimensions

Product Width	49.32 mm[1.942 in]
Product Length	38.61 mm[1.52 in]
Product Height	49.32 mm[1.942 in]
Accepts Wire Insulation Diameter Range	1.35 – 2.69 mm[.053 – .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
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Industry Standards

Degree of Protection	IP67
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Packaging Features

Packaging Quantity	200
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 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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-H3930-CH8172  
DEUTSCH HD30 HOUSINGS




TE Part # CAT-D48-ST273  
DEUTSCH SOLID CONTACTS




TE Part # CAT-H3930-B128  
DEUTSCH HD30 BACKSHELLS




TE Part # CAT-H3930-PC8382  
DEUTSCH HD30 PLUG PROTECTIVE CAPS



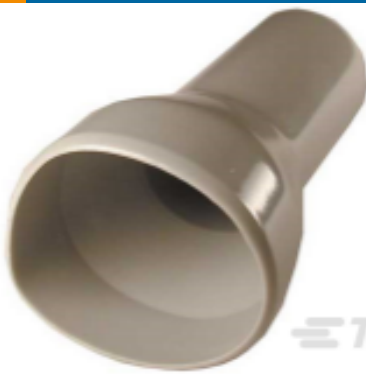
TE Part # CAT-D48-SFT273  
DEUTSCH STAMPED & FORMED CONTACTS



TE Part # 114017-ZZ  
SEALING PLUG, SIZE 12/16, WHT



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 # [MT-90BT-HT-24](#)  
[BOOT, 24SZ, RA, HI TEMP, YEL](#)

TE Part # [MT-90BT-HT-24BK](#)  
[BOOT, 24SZ, RA, HI TEMP, BLK](#)


Also in the Series | **DEUTSCH HD**




[Automotive Connector Caps & Covers](#)  
(62)




[Automotive Housings](#)(742)



[Automotive Seals & Cavity Plugs](#)(10)



[Insertion & Extraction Tools](#)(11)




[Other Automotive Connector Accessories](#)(11)




[PCB Headers & Receptacles](#)(1)


Also in the Series | **DEUTSCH HD30**




[Automotive Connector Caps & Covers](#)  
(18)



[Automotive Housings](#)(359)



[Automotive Seals & Cavity Plugs](#)(11)



[Insertion & Extraction Tools](#)(10)



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Other Automotive Connector Accessories(6)

Customers Also Bought



TE Part #HD36-24-19PE  
DEUTSCH HD30 HOUSINGS



TE Part #T4131412051-000  
M12,REAR MOUNT,FEMALE,B,5P,  
SOLDER WIRE



TE Part #0409-201-2400  
CABLE CLAMP, 24SZ, AL



TE Part #T4110412051-000  
M12 F, 5P GOLD B\_CODE S  
SHIELDED PG9



TE Part #3-1625886-4  
1W SM M/OX 5% 68K



TE Part #DRC18-40SB  
PLG, 40P, BLK, N, B



TE Part #DT04-2P-E008  
REC, 2P, GRY, N, XCAP



TE Part #0428-204-2490  
ADAPTER

Documents

Product Drawings

PLG, 31P, AL, E, 16, P

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_HD36-24-31PE\_B.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_HD36-24-31PE\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_HD36-24-31PE\_B.3d\_stp.zip

English

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**Datasheets & Catalog Pages**  
**ICT Terminals and Connectors Catalogue**  
English

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**Product Specifications**  
**Application Specification**  
English

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**Product Environmental Compliance**  
**Product Compliance**  
English  
**Product Compliance**  
English