

# HD34-24-31PT-059 ✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HD30

TE Internal #: HD34-24-31PT-059

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

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HD30 Housings



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

Number of Positions: **31**

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

Sealable: **Yes**

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

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

## Features

### Product Type Features

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

### 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°
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### Contact Features

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

Terminal Position Assurance	No
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Strain Relief	With
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Mating Alignment Type	Not Keyed
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Mating Alignment	Without
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Connector Mounting Type	Cable Mount (Free-Hanging), Panel Mount
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### Housing Features

Housing Material	Aluminum
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### Dimensions

Connector Height	47.53 mm[1.875 in]
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Product Width	50.8 mm[2 in]
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Product Length	84.28 mm[3.318 in]
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Compatible Insulation Diameter Range	2.23 – 2.69 mm[.088 – .106 in]
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### Usage Conditions

Operating Temperature (Max)	125 °C[257 °F]
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Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
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### Operation/Application

Circuit Application	Power & Signal
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### Industry Standards

Degree of Protection	IP67
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### Packaging Features

Packaging Quantity	80
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Packaging Method	Box
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### Other

Serviceable	Yes
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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	<p>Current ECHA Candidate List: JUNE 2023 (235)                      Candidate List Declared Against: JUNE 2023 (235)                      SVHC &gt; Threshold:                      Octamethylcyclotetrasiloxane (D4) (.5% in Component Part)                      Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part)                      Decamethylcyclopentasiloxane (D5) (.5% in Component Part)</p> <p><b>Article Safe Usage Statements:</b>                      Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.</p>
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-H3930-RC8382  
Receptacle Protective Caps -  
DEUTSCH HD30



TE Part # CAT-D48-ST273  
DEUTSCH Solid Contacts



TE Part # CAT-H3930-M8649  
Mounting Hardware for DEUTSCH  
HD30 Connectors



TE Part # CAT-J67-DSCC16  
DEUTSCH Size 16 Crimp Contacts



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



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




TE Part # 2300908-1  
0460-003-16329, PIN, SOLID, 20-  
24AWG, AU


TE Part # CAT-D48-SFT273  
DEUTSCH Stamped and Formed  
Contacts

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


Also in the Series | **DEUTSCH HD**




Automotive Connector Caps & Covers  
(32)




Automotive Housings(742)




Connector Backshells(29)




Connector Seals & Cavity Plugs(10)



Connector Strain Relief(5)



Insertion & Extraction Tools(11)



Other Automotive Connector  
Accessories(11)



PCB Headers & Receptacles(1)

Also in the Series | **DEUTSCH HD30**



Automotive Connector Caps & Covers (14)



Automotive Housings(359)



Connector Backshells(2)



Connector Seals & Cavity Plugs(11)



Connector Strain Relief(5)



Insertion & Extraction Tools(10)



Other Automotive Connector Accessories(6)

## Customers Also Bought



TE Part #9-1419128-8  
OJ-SH-112LMH,000



TE Part #EEC-325X4A-E016  
ENCLOSURE, 3.25 X 4, CLR, VENT



TE Part #2331369-1  
DET SW4.7X3.8X2.3 GW VERT. NO  
AG RL



TE Part #2329383-2  
PB OFF/ON FC RED M1 TERM. IP68



TE Part #2329383-4  
PB OFF/ON FC GRE M1 TERM. IP68



TE Part #2329383-5  
PB OFF/ON FC BLU M1 TERM. IP68



TE Part #DT06-12SD-EP06  
PLG, 12P, BRN, N, SEAL RET, ENH KEY,  
CAP, D



TE Part #2-1419108-8  
RTD14005F



TE Part #ANT-916-SP  
Antenna SP PCB RPC 916MHz SMT



TE Part #ANT-916-USP  
Antenna uSP PCB RPC 916MHz SMT

## Documents



### Product Drawings

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

English

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### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_HD34-24-31PT-059\\_99\\_c-hd34-24-31pt-059-99.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_HD34-24-31PT-059\\_99\\_c-hd34-24-31pt-059-99.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_HD34-24-31PT-059\\_99\\_c-hd34-24-31pt-059-99.3d\\_stp.zip](#)

English

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

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### Product Specifications

[Application Specification](#)

English