HD16-6-12S-B010 ✔ ACTIVE

DEUTSCH | DEUTSCH HD10, DEUTSCH HD

TE Internal #: HD16-6-12S-B010

12 V / 24 V, 6 Position, Automotive Housing for Female Terminals, Wire-to-Wire, Sealable, Gray, Wire & Cable, Power, Hybrid

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Automotive Parts > Automotive Connectors > Automotive Housings > DEUTSCH HD10 Housings



Nominal Voltage Architecture: **12 V, 24 V**

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

Number of Positions: **6**

Sealable: **Yes**

Operating Temperature Range: **-55 – 125 °C [-67 – 257 °F]**

All DEUTSCH HD10 Housings (52)

Features

Product Type Features

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

Configuration Features

Blank Cavity Position	0
Connector Modification	With Coupling Ring
Number of Positions	6

Electrical Characteristics

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

Body Features

Cable Exit Angle	180°
Primary Product Color	Gray

Contact Features

Contact Size	Size 12
Contact Type	Socket
Mating Pin Diameter	2.4 mm[.094 in]
Contact Current Rating (Max)	25 A

Mechanical Attachment

Strain Relief	Without
Terminal Position Assurance	No
Mating Alignment Type	Polarizing Rib
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PA GF

Dimensions

Compatible Insulation Diameter Range	3.4 – 4.3 mm[.134 – .17 in]
Product Width	36.9 mm[1.45 in]
Product Length	36.9 mm[1.45 in]
Connector Height	40.6 mm[1.6 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

IP Rating	IP68, IP6K9K
UL Flammability Rating	20mm Flame Test per Standard UL-94

Packaging Features

Packaging Quantity	1
Packaging Method	Package

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2024 (241) 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

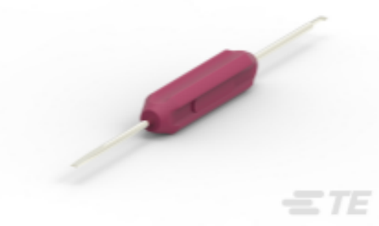
Compatible Parts



TE Part # 0413-214-1205
SEALING PLUG, SIZE 12, KEYING, YEL



TE Part # HD10-6BT
BOOT, 6P, PLG/REC, ST, GRY



TE Part # DT-RT1
EXT TOOL, FRONT RELEASE



TE Part # 114010-ZZ
EXT TOOL, SIZE 12, 12 AWG, N, YEL



TE Part # CAT-H3910-PC1748
DEUTSCH HD10 PLUG DUST CAPS



TE Part # CAT-H3910-CH8172
DEUTSCH HD10 Housings

TE Part # HD10-6BT-BK
BOOT, 6P, PLG/REC, ST, BLK

Also in the Series | DEUTSCH HD10



Automotive Housings(670)

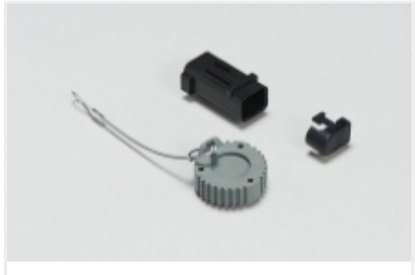


Automotive Seals & Cavity Plugs(10)

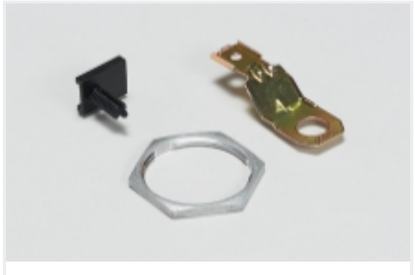


Connector Strain Relief(6)

Also in the Series | DEUTSCH HD



Automotive Connector Caps & Covers (22)



Other Automotive Connector Accessories(17)

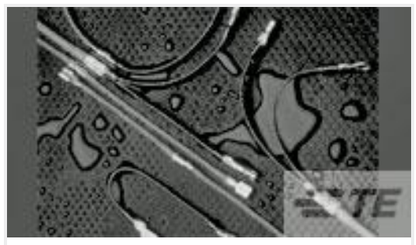
Customers Also Bought



TE Part #HD10-6-GKT
GASKET, 6SZ, BLK, HD10



TE Part #M902-2162
BKSHL, 6SZ, CBL SZ .300-.430, HD10



TE Part #583389-000
B-106-3633



TE Part #CAT-H396-CH8172
DEUTSCH HDP20 Housings



TE Part #HD10-6BT
BOOT, 6P, PLG/REC, ST, GRY



TE Part #CAT-H3910-CH8172
DEUTSCH HD10 Housings

TE Part #HD34-18-8PE-059
REC,8P,AL,E, CBL CLMP BT, DRAIN, 12,P,MC

Documents

Product Drawings

PLG, 6P, GRY, N, DATALINK, 12

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_HD16-6-12S-B010_99_c-hd16-6-12s-b010-99.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_HD16-6-12S-B010_99_c-hd16-6-12s-b010-99.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_HD16-6-12S-B010_99_c-hd16-6-12s-b010-99.3d_stp.zip

English

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

Datasheets & Catalog Pages

DEUTSCH HD10 CONNECTOR SERIES

English

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English