

DTM06-12SB-E007 ✓ ACTIVE

DEUTSCH | DEUTSCH DT, DEUTSCH DTM

TE Internal #: DTM06-12SB-E007

12 V / 24 V / 48 V, 12 Position, Automotive Housing for Female Terminals, Wire-to-Wire, 3.81 mm [.15 in] Centerline, Sealable, Black, Hybrid

[View on TE.com >](#)



Automotive Parts > Automotive Connectors > Automotive Housings > DEUTSCH DTM Housings



Nominal Voltage Architecture: 12 V, 24 V, 48 V

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

Number of Positions: 12

Sealable: **Yes**

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

[All DEUTSCH DTM Housings \(103\)](#)

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
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	Shrink Boot Adapter
Number of Positions	12
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VDC
Nominal Voltage Architecture	12 V, 24 V, 48 V

Body Features

Cable Exit Angle	180 °
Primary Product Color	Black
Connector & Keying Code	B

Contact Features

Contact Size	Size 20
Contact Type	Socket
Mating Pin Diameter	1.02 mm[.04 in]
Contact Current Rating (Max)	7.5 A

Mechanical Attachment

Strain Relief	Without
Terminal Position Assurance	Yes
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	Plastic
Centerline (Pitch)	3.81 mm[.15 in]

Dimensions

Row-to-Row Spacing	7.11 mm[.28 in]
Compatible Insulation Diameter Range	1.35 – 3.05 mm[.053 – .12 in]
Product Width	17.6 mm[.693 in]
Product Length	37.8 mm[1.49 in]
Connector Height	39.9 mm[1.57 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
Compatible With Agency/Standards Products	SAE J2030
UL Flammability Rating	UL 94V-0

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 2025 (250) SVHC > Threshold: Dodecamethylcyclohexasiloxane (D6) (.5% in 27519454050) Decamethylcyclopentasiloxane (D5) (.5% in 27519454050) Octamethylcyclotetrasiloxane (D4) (.5% in 27519454050) Article Safe Usage Statements: Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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 # 2303064-2
REC, 12P, BLK, N, FLANGE, B



TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs



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



TE Part # CAT-D485-H342
DEUTSCH DTM Headers



TE Part # DT-RT1
EXT TOOL, FRONT RELEASE



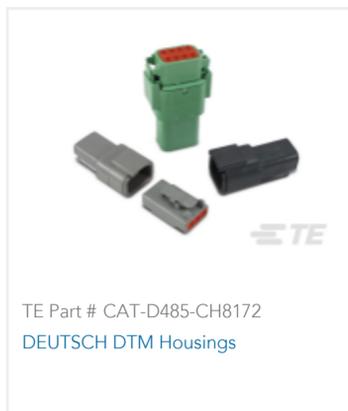
TE Part # DTM04-12PB-E005
REC, 12P, BLK, N, CAP, B



TE Part # DTM04-12PB-E003
REC, 12P, BLK, N, CAP, B



TE Part # CAT-D48-ST273
DEUTSCH Connector Solid Contacts



TE Part # CAT-D485-CH8172
DEUTSCH DTM Housings



TE Part # CAT-D485-W416
DEUTSCH DTM Wedgelocks

Also in the Series | DEUTSCH DT



Automotive Connector Caps & Covers
(62)



Other Automotive Connector
Accessories(8)



Rectangular Connector Housings(1)



Standard Rectangular Connectors(1)



Wire-to-Board Connector Assemblies & Housings(1)

Also in the Series | **DEUTSCH DTM**



Automotive Connector Caps & Covers (62)



Automotive Housings(124)



Other Automotive Connector Accessories(8)

Customers Also Bought



TE Part #BSA896F0985202A000
917 PLUG



TE Part #WM-12S
WEDGE LOCK, 12P, PLG, ORG, DTM



TE Part #DTM06-12SC-E007
PLG, 12P, GRN, N, XCAP, C



TE Part #DTM13-12PA-R008
HDR, 12P, BLK, RA EEC, NI/CU, A



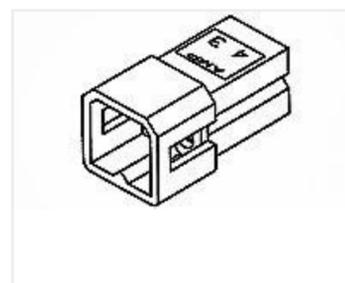
TE Part #0528-012-7005
BKSHL, 70P, BLK, PLG, RA, NO RIB, NW 26



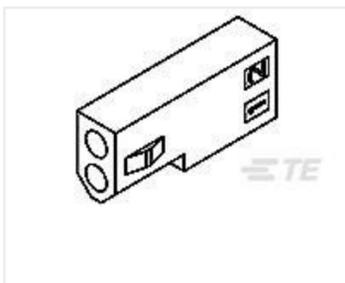
TE Part #K1157303
Emergency Switch ES-2011-T311-020B



TE Part #EEC-325X4B
ENCLOSURE, 3.25 X 4, BLK, NO VENT



TE Part #770355-1
06P .062 COMM P&S PLUG



TE Part #770356-1
06P .062 COMM P&S RECPT



TE Part #184020-1
2 POS. PLUG ASSY, KEY L, NAT



Documents

Product Drawings

[PLG, 12P, BLK, N, XCAP, B](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_DTM06-12SB-E007_99_c-dtm06-12sb-e007-99.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_DTM06-12SB-E007_99_c-dtm06-12sb-e007-99.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_DTM06-12SB-E007_99_c-dtm06-12sb-e007-99.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[ICT Terminals and Connectors Catalogue](#)

English

[CONNECTOR SELECTOR](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English