

DTM06-3S-E007

✓ ACTIVE

DEUTSCH | DEUTSCH DT, DEUTSCH DTM

TE Internal #: DTM06-3S-E007

12 V / 24 V / 48 V, 3 Position, Automotive Housing for Female
Terminals, Wire-to-Wire, 4.19 mm [.165 in] Centerline, Sealable,
Gray, Hybrid

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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: 3

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	3
Number of Rows	1



Electrical Characteristics

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

Body Features

Cable Exit Angle	180 °
Primary Product Color	Gray

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	No
Mating Alignment Type	Polarization
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PA GF
Centerline (Pitch)	4.19 mm[.165 in]

Dimensions

Compatible Insulation Diameter Range	1.3 – 3 mm[.053 – .12 in]
Product Width	14 mm[.551 in]
Product Length	18.6 mm[.732 in]
Connector Height	37.4 mm[1.47 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power
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Industry Standards

IP Rating	IP68, IP6K9K
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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 27519261138) Decamethylcyclopentasiloxane (D5) (.5% in 27519261138) Octamethylcyclotetrasiloxane (D4) (.5% in 27519261138) 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 # WM-3S
WEDGE LOCK, 3P, PLG, ORG, DTM



TE Part # CAT-D485-CH8172
DEUTSCH DTM Housings



TE Part # DTM04-3P-R011
REC, 3P, BLK, 90DEG, PANEL



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



TE Part # DTM3S-DC
PROTECT CVR, 3P, PLG, GRY, DTM



TE Part # DTM3S-BT-BK
BOOT, 3P, PLG, ST, BLK



TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs



TE Part # DT-RT1
EXT TOOL, FRONT RELEASE



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



TE Part # DTM3S-BT
BOOT, 3P, PLG, ST, GRY

Also in the Series | DEUTSCH DT



Automotive Connector Caps & Covers
(62)



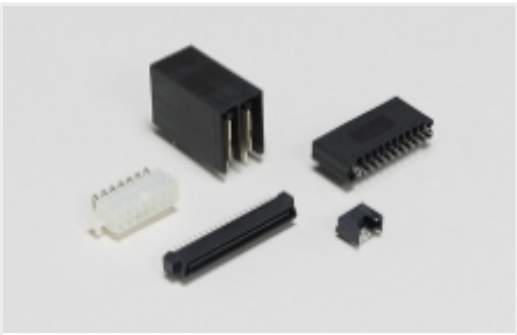
Automotive Seals & Cavity Plugs(2)



Infotainment & Multimedia Cable
Assemblies(1)



Rectangular Connector Housings(1)



Standard Rectangular Connectors(1)



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

Also in the Series | **DEUTSCH DTM**



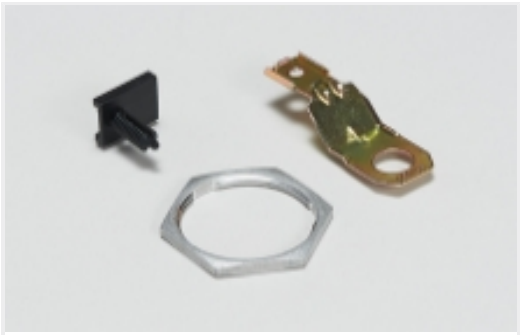
Automotive Connector Caps & Covers (62)



Automotive Housings(124)



Automotive Seals & Cavity Plugs(2)



Other Automotive Connector Accessories(8)

Customers Also Bought



TE Part #ASU003-03PC-HE
RECEPT ASSY 2 HOLE MTG AS 3 WAY



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



TE Part #3822543004
44A1121-22-0/9-9



TE Part #CAT-D485-CH8172
DEUTSCH DTM Housings



TE Part #CAT-D485-W416
DEUTSCH DTM Wedgelocks



TE Part #ASU603-03SC-HE
PLUG ASSY AS 3 WAY

Documents

Product Drawings
PLG, 3P, GRY, N, XCAP

English

CAD Files
Customer View Model
ENG_CVM_CVM_DTM06-3S-E007_99.2d_dxf.zip



English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_DTM06-3S-E007_99.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_DTM06-3S-E007_99.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[ICT Terminals and Connectors Catalogue](#)

English

[CONNECTOR SELECTOR](#)

English

Product Specifications

[Application Specification](#)

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Agency Approvals

[UL Report](#)

English