DTM06-08SA-EE08 ✔ ACTIVE

DEUTSCH | DEUTSCH DTM

TE Internal #: DTM06-08SA-EE08

12 V / 24 V / 48 V, 8 Position, Automotive Housing for Female Terminals, Wire-to-Wire, 3.81 mm [.15 in] Centerline, Sealable, Black, DEUTSCH DTM

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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: **8**

Sealable: **Yes**

Operating Temperature Range: **-55 – 150 °C [-67 – 302 °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
Number of Positions	8
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	A

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	PA 66
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	16.5 mm[.693 in]
Product Length	31.6 mm[1.24 in]
Connector Height	31.6 mm[1.24 in]

Usage Conditions

Operating Temperature Range	-55 – 150 °C[-67 – 302 °F]
Operating Temperature (Max)	150 °C[302 °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	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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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

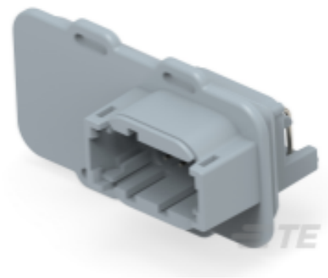
Compatible Parts



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



TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs



TE Part # DTM13-08PA-R004
HDR, 8P, GRY, RA, NI/CU, A

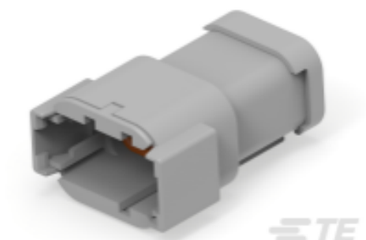


TE Part # DT-RT1
EXT TOOL, FRONT RELEASE

TE Part # YDTM04-08PA-L02500
REC, 8P, GRY, N, FLANGE, A



TE Part # CAT-D485-CH8172
DEUTSCH DTM Housings

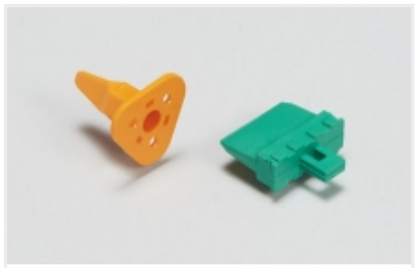


TE Part # DTM04-08PA-C017
REC, 8P, GRY, BLOCKED, A



TE Part # WM-8S
WEDGE LOCK, 8P, PLG, ORG, DTM

Also in the Series | DEUTSCH DTM



Automotive Connector Locks & Position Assurance(26)



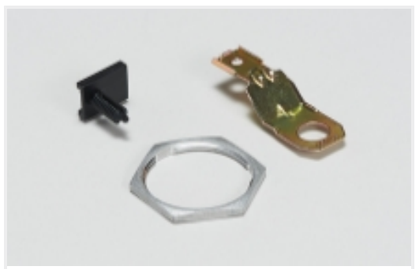
Automotive Housings(124)



Automotive Seals & Cavity Plugs(2)



Connector Strain Relief(46)



Other Automotive Connector Accessories(8)



Rectangular Backshells & Clamps(1)

Customers Also Bought



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



TE Part #1011-344-0205
DUST CAP, 2P, PLG, BLK, DT



TE Part #DT06-3S-CE13
PLG, 3P, BLK, E, SEAL RET, XCAP



TE Part #DTM04-08PA-EE08
REC, 8P, BLK, N, HIGH TEMP, CAP, A



TE Part #CAT-J41-DDRC
DEUTSCH DT Receptacle Connectors



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT

Documents

Product Drawings

PLG, 8P, BLK, N, HIGH TEMP, CAP, A

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DTM06-08SA-EE08_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DTM06-08SA-EE08_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DTM06-08SA-EE08_A.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL Report

English