

DTM06-08SA

✓ ACTIVE

DEUTSCH | DEUTSCH DT, DEUTSCH DTM

TE Internal #: DTM06-08SA

Hybrid, Housing for female terminals, Wire-to-Wire, 8 Position, 4.19 mm [.165in] Centerline, Sealable, Gray, Power & Signal, Code A

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Connectors > Automotive, Truck, Bus, & Off-Road Connectors > Connector Housings > DEUTSCH DTM HOUSINGS



Connector Style: **Housing for female terminals**

Mating Pin Diameter: **1.02 mm [ .04 in ]**

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

Number of Positions: **8**

Centerline (Pitch): **4.19 mm [ .165 in ]**

[All DEUTSCH DTM HOUSINGS \(87\)](#)

Features

Product Type Features

Connector Style	Housing for female terminals
Connector System	Wire-to-Wire
Sealable	Yes
Hybrid Connector	No
Primary Locking Feature	Integrated in Housing
Connector & Contact Terminates To	Wire & Cable
Strain Relief	Add By Accessory
Row-to-Row Spacing	7.11 mm[.28 in]

Configuration Features

Blank Cavity Position	0
Number of Positions	8
Number of Rows	2

Electrical Characteristics

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

Body Features

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Cable Exit Angle	180°
Body Material	PA GF
Color	Gray
Connector Code	A

Contact Features

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

Mechanical Attachment

Terminal Position Assurance	Yes
Mounting Feature	Without
Polarized	Yes

Housing Features

Centerline (Pitch)	4.19 mm[.165 in]
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Dimensions

Height	31.62 mm[1.245 in]
Length	30.1 mm[1.185 in]
Width	15.24 mm[.6 in]

Usage Conditions

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	IP68
Agency/Standard	SAE J2030
UL Flammability Rating	20mm Flame Test per Standard UL-94

Packaging Features

Packaging Method	Box
Packaging Quantity	900

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: JUL 2019 (201) Candidate List Declared Against: JUL 2019 (201) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2019 (201) Candidate List Declared Against: JUL 2019 (201)
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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

TE Model / Part # CAT-D485-W416  
DEUTSCH DTM  
WEDGELOCKS

TE Model / Part # CAT-D48-ST273  
DEUTSCH SOLID  
CONTACTS

TE Model / Part # CAT-D485-CH8172  
DEUTSCH DTM  
HOUSINGS

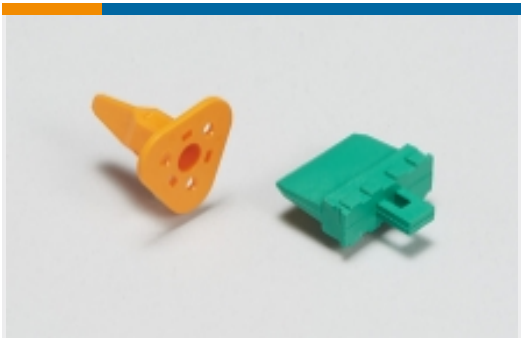
TE Model / Part # CAT-D48-SFT273  
DEUTSCH STAMPED &  
FORMED CONTACTS



Also in the Series | **DEUTSCH DT**



Automotive Connector  
Caps & Covers(57)



Automotive Connector  
Locks & Position Assurance  
(62)



Automotive Seals & Cavity  
Plugs(4)



Automotive, Truck, Bus, &  
Off-Road Headers(79)



Automotive, Truck, Bus, &  
Off-Road Housings(556)

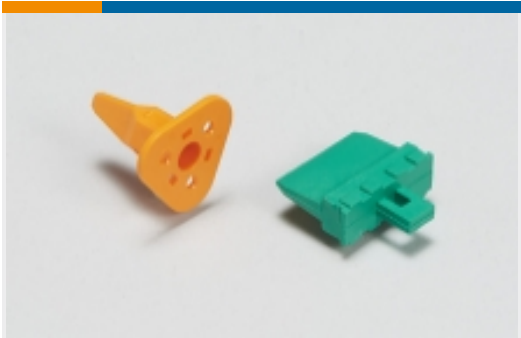


Other Automotive  
Connector Accessories(12)

Also in the Series | **DEUTSCH DTM**



Automotive Connector  
Caps & Covers(3)



Automotive Connector  
Locks & Position Assurance  
(15)



Automotive, Truck, Bus, &  
Off-Road Headers(17)



Automotive, Truck, Bus, &  
Off-Road Housings(87)

Documents

**Product Drawings**  
**PLG, 8P, GRY, N, A**

English

**CAD Files**  
**3D PDF**

3D

**Customer View Model**  
**ENG\_CVM\_CVM\_DTM06-08SA\_99\_c-dtm06-08sa-99.2d\_dxf.zip**

English

**Customer View Model**  
**ENG\_CVM\_CVM\_DTM06-08SA\_99\_c-dtm06-08sa-99.3d\_igs.zip**

English

**Customer View Model**



[ENG\\_CVM\\_CVM\\_DTM06-08SA\\_99\\_c-dtm06-08sa-99.3d\\_stp.zip](#)

English

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**Datasheets & Catalog Pages**

[ICT Terminals and Connectors Catalogue](#)

English

**CONNECTOR SELECTOR**

English

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**Product Specifications**

[Application Specification](#)

English

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**Product Environmental Compliance**

[TE Material Declaration](#)

English