



Terminals & Splices > Automotive Terminals > DEUTSCH Solid Contacts



Terminal Type: Pin

Mating Pin Diameter: 1.02 mm [.04 in]

Terminal Transmits: 0 - 24 A (Low Power)

Wire Size: .52 mm²

[All DEUTSCH Solid Contacts \(46\)](#)

Features

Product Type Features

Sealable	No
Primary Locking Feature	On the Terminal

Contact Features

Contact Size	Size 20
Contact Fabrication	Solid
Wire Contact Termination Area Plating Material	Gold
Typical Current Rating	7.5 A
Crimp Type	Indent
Terminal Type	Pin
Mating Pin Diameter	1.02 mm [.04 in]
Interface Plating	Gold (Au)

Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire

Dimensions

Wire Size	.52 mm ²
Wire Size Search	20 AWG



Usage Conditions

Insulation Option	Uninsulated
Operating Temperature (Max)	80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C, 130 °C, 140 °C, 145 °C, 150 °C[176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F][266 °F][284 °F][293 °F][302 °F]
Operating Temperature Range	-55 - 150 °C[-67 - 302 °F]

Operation/Application

Compatible With Wire Base Material	Copper
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Packaging Features

Packaging Quantity	5000
Packaging Method	Package

Other

Customer Preferred Contact	Yes
Terminal Transmits	0 - 24 A (Low Power)

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold: Pb (1.2% in Component Part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. 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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

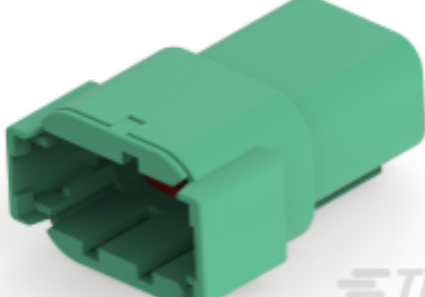
Product Compliance Disclaimer

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-H3930-CH8172 DEUTSCH HD30 Housings	 TE Part # CAT-H396-CH8172 DEUTSCH HDP20 Housings	 TE Part # CAT-D781-CH8172 DEUTSCH DRB Housings	 TE Part # CAT-D485-CH8172 DEUTSCH DTM Housings
 TE Part # CAT-D48-ST273 DEUTSCH Solid Contacts	 TE Part # HDT-48-00 CRIMP TOOL, HAND	 TE Part # HDT-50-00 CRIMP TOOL	 TE Part # DTM04-08PC REC, 8P, GRN, N, C
 TE Part # 1062-20-0344 SOC, SF, SIZE 20, 16-22, SLEVLSS, AU /SN	 TE Part # DTM04-3P-R011 REC, 3P, BLK, 90DEG, PANEL	 TE Part # DTMH04-4PD REC, 4P, BLK, N, HI TEMP, D	 TE Part # HDP-400 POWER CRIMPER
 TE Part # CAT-D799-CH8172 DEUTSCH DRC Housings	 TE Part # CAT-ST858-CH8172 DEUTSCH Strike Housings	 TE Part # DTM04-12PA-EE04 REC, 12P, BLK, N, HIGH TEMP, A	 TE Part # 1062-20-0244 SOC, SF, SIZE 20, 16-22, AU/SN





TE Part # 1062-20-0144
SOC, SF, SIZE 20, 16-22, AU/SN



TE Part # 1-2303064-1
12POS,STAMPED 20,PIN HSG ASSY, SLD,COD 1



TE Part # 1062-20-0644
SOC, SF, SIZE 20, 14-16, AU/SN



TE Part # 400-414DA-20N
SZ 20 DIE ASM

Also in the Series

DEUTSCH Common Contact



Automotive Terminals(91)



Insertion & Extraction Tools(8)

Customers Also Bought



TE Part # WM-4S
DEUTSCH DTM Wedgelocks



TE Part # 0462-005-2031
DEUTSCH Solid Contacts



TE Part # 0413-204-2005
SEALING PLUG, SIZE 20, RED



TE Part # 5745967-4
25 RCPT SP/FMS STD



TE Part # ZPF000000000009135
983-7SE 10-06 PN

Documents

Product Drawings

PIN, SOLID, SIZE 20, 20AWG, AU

English

CAD Files

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_0460-202-2031_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_0460-202-2031_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_0460-202-2031_C.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[CONNECTOR SELECTOR](#)

English

Product Specifications

[Engineering Report](#)

English