



Terminals & Splices > Automotive Terminals > DEUTSCH Solid Contacts



Terminal Type: **Socket**
Mating Pin Diameter: **1.02 mm [.04 in]**
Terminal Transmits: **0 – 24 A (Low Power)**
Wire Size: **.5 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	Nickel
Typical Current Rating	7.5 A
Crimp Type	Indent
Terminal Type	Socket
Mating Pin Diameter	1.02 mm[.04 in]
Interface Plating	Nickel (Ni)

Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire

Dimensions

Wire Size	.5 mm²
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[176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F]
Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]

Operation/Application

Compatible With Wire Base Material	Copper
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Packaging Features

Packaging Quantity	5000
Packaging Method	Box

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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

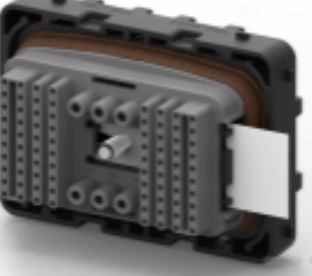
Product Compliance Disclaimer

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-H396-CH8172 DEUTSCH HDP20 Housings	 TE Part # CAT-H3930-CH8172 DEUTSCH HD30 Housings	 TE Part # CAT-D485-CH8172 DEUTSCH DTM Housings	 TE Part # CAT-D799-CH8172 DEUTSCH DRC Housings
 TE Part # CAT-D781-CH8172 DEUTSCH DRB 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 # DTMH06-4SA PLG, 4P, BLK, N, HI TEMP, A	 TE Part # DRC26-24SB PLG, 24P, BLK, N, B	 TE Part # DRC26-50S09 PLG, 50P, BLK, N, 09	 TE Part # DRCP28-86SB PLG, 86P, BLK, 12/20, B
 TE Part # DTMH06-2SD PLG, 2P, BLK, N, HI TEMP, D	 TE Part # HDP-400 POWER CRIMPER	 TE Part # CAT-ST858-CH8172 DEUTSCH Strike Housings	 TE Part # DRCP28-86SA PLG, 86P, BLK, 12/20, A



TE Part # 1060-20-0622
PIN, SF, SIZE 20, 14-16, NI/NI

TE Part # 1060-20-0222
PIN, SF, SIZE 20, 16-22, NI/NI

TE Part # 1060-20-0122
PIN, SF, SIZE 20, 16-22, NI/NI

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 #DTM06-12SB
DEUTSCH DTM Housings

TE Part #WM-6S
DEUTSCH DTM Wedgelocks

TE Part #0462-203-12141
DEUTSCH Solid Contacts

Documents

Product Drawings

SOC, SOLID, SIZE 20, 20AWG, NI

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_0462-201-20141_1D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_0462-201-20141_1D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_0462-201-20141_1D.3d_stp.zip



English

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Datasheets & Catalog Pages

CONNECTOR SELECTOR

English

Product Specifications

Engineering Report

English