



Power Double Lock

TE Internal #: 179593-1

Power Contacts, Contact, 50 VAC / 300 VAC, Tin, 20 – 16 AWG
 Wire Size, .52 – 1.38 mm² Wire Size, Wire-to-Wire, Wire & Cable,
 Crimp, Power Double Lock

[View on TE.com >](#)

Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

Operating Voltage: **50 VAC, 300 VAC**

Contact Mating Area Plating Material: **Tin**

Wire Size: **.52 – 1.38 mm²**

Features

Product Type Features

Power Contact Type	Contact
Connector System	Wire-to-Wire
Connector & Contact Terminates To	Wire & Cable

Electrical Characteristics

Operating Voltage	50 VAC, 300 VAC
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Contact Features

Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	14 A
Contact Type	Receptacle
Contact Retention Within Housing	With
Mating Tab Width	1.5 mm[.06 in]
Mating Tab Thickness	.5 mm[.02 in]
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material Thickness	.8 μm[31.49 μin]
Wire Contact Termination Area Plating Thickness	.8 μm[31.49 μin]



Wire Contact Termination Area Plating Material	Pre-Tin
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Contact Orientation	Straight
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Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance
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Connector Mounting Type	Cable Mount (Free-Hanging)
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Wire Insulation Support	With
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Dimensions

Wire Size	.52 – 1.38 mm ²
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Accepts Wire Insulation Diameter Range	1.8 – 3.1 mm [.071 – .12 in]
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Usage Conditions

Operating Temperature Range	-30 – 105 °C [-22 – 221 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
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Packaging Features

Packaging Method	Bag
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Packaging Quantity	1000
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Other

Wire/Cable Type	Discrete Wire
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Wire Type	Stranded
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For Use With	Plug Housing
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Comment	Maximum insulation diameter is 2.8mm (.110) when Double Lock Plate is used.
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUNE 2022 (224)

Candidate List Declared Against: JUNE 2022 (224)

Does not contain REACH SVHC

Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability

Not applicable 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-P87024-P729
STD Temp Power Double Lock Plug



TE Part # 917354-1
AMP POWER D/LOCK PLUG HDR 12P

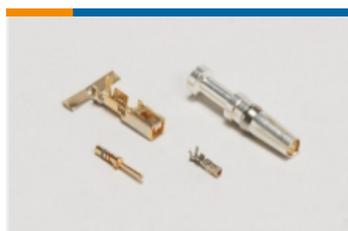


TE Part # 234912-1
EXT TOOL FOR POWER DBL LOK REC



TE Part # 91569-1
CCII POWER DBL LOCK L REC TAB 20-16 ASSY

Also in the Series | Power Double Lock



Connector Contacts(1)



Insertion & Extraction Tools(2)



Power Contacts(23)



Rectangular Connector Locking(14)



Documents

Product Drawings

[AMP POWER D/LOCK RECCONT. L/P](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG_CVM_179593-1_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_179593-1_C.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_179593-1_C.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_179593-1_O.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_179593-1_O.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_179593-1_O.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG](#)

English

[1773458-5_POWER_DBL_LOCK_\(PDL\)_CONNECTORS](#)

English



Product Specifications

Product Specification

English

Instruction Sheets

Instruction Sheet (non U.S.)

Japanese

Agency Approvals

UL Report

English