

1971780-2 ✓ ACTIVE



Power Triple Lock

TE Internal #: 1971780-2

Power Contacts, Contact, 600 VAC, 600 VDC, Tin, 12 AWG Wire Size, 3 mm² Wire Size, Wire & Cable, Crimp, Power, Tab, Power Triple Lock

[View on TE.com >](#)

Connectors > Power Connectors > Power Contacts > Tab Contact — POWER TRIPLE LOCK



Power Contact Type: **Contact**

Operating Voltage: **600 VDC**

Contact Mating Area Plating Material: **Tin**

Wire Size: **12 AWG**

[All Tab Contact — POWER TRIPLE LOCK \(12\)](#)

Features

Product Type Features

Power Contact Type	Contact
Connector & Contact Terminates To	Wire & Cable

Electrical Characteristics

Operating Voltage	600 VDC
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Contact Features

Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	20 A
Contact Type	Tab
Contact Retention Within Housing	Without
Mating Tab Width	2.7 mm[.106 in]
Mating Tab Thickness	1.63 mm[.064 in]
Contact Base Material	Copper Alloy
Wire Contact Termination Area Plating Thickness	.8 – 1.5 μm[31.49 – 59 μin]



Wire Contact Termination Area Plating Material	Pre-Tin
Wire Contact Termination Area Plating Material Finish	Bright
Contact Orientation	Straight

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Wire Insulation Support	With
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Dimensions

Wire Size	3 mm ²
Compatible Insulation Diameter Range	3.85 – 4.25 mm [.151 – .167 in]

Usage Conditions

Operating Temperature Range	-55 – 150 °C [-67 – 302 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

Agency/Standard	UL, VDE
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Packaging Features

Packaging Method	Reel
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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 2023 (235) Candidate List Declared Against: JAN 2023 (233) 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 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-P87074-C1701A
POWER TRIPLE LOCK High Temperature Caps



TE Part # 1-1971875-4
PTL 3X4 CAP PANEL MT STD TEMP KEY A NAT



TE Part # 1452426-1
EXTRACTION TOOL



TE Part # 2305570-1
Strip Terminal Cutter-Side Feed-No Crimp



TE Part # 2217268-1
SDE HAND TOOL



TE Part # 2-2151741-1
OCEAN_2.0_Applicator-S-120F190F



TE Part # 2-2151741-2
OCEAN_2.0_Applicator-S-120F190F



TE Part # 2151741-1
OCEAN_2.0_Applicator-S-120F190F



TE Part # 2151741-2
OCEAN_2.0_Applicator-S-120F190F




TE Part # 2217268-2
SDE DIE SEET



TE Part # 7-2151741-1
OCEAN_2.0_Applicator-S-120F190F



TE Part # 7-2151741-2
OCEAN_2.0_Applicator-S-120F190F



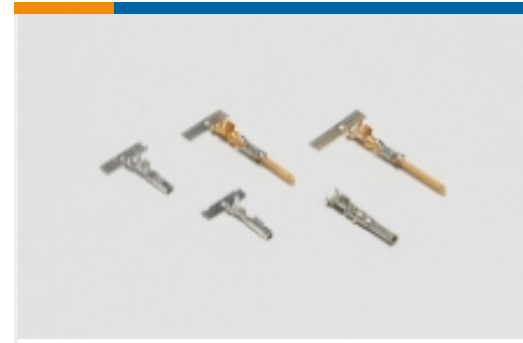
KIT
REPRESENTATION ONLY

TE Part # 7-2151741-7
OCEAN_2.0_SPARE_PART_KIT-120F190F

Also in the Series | Power Triple Lock



Insertion & Extraction Tools(1)



Power Contacts(28)



Rectangular Connector Locking(12)



Rectangular Power Connectors(299)

Customers Also Bought



TE Part #5-1971876-4
High Temperature Plug — POWER TRIPLE LOCK



TE Part #1-1971772-4
Standard Temperature Caps | POWER TRIPLE LOCK



TE Part #1971777-4
PTL TPA HIGH TEMP 1 x 4 BLACK



TE Part #1971783-2
Receptacle Contact — POWER TRIPLE LOCK



TE Part #1971784-2
PTL TAB CONTACT, 16-19 AWG, 2X22 AWG



TE Part #1-1971773-2
POWER TRIPLE LOCK Plug, Standard Temperature

Documents

Product Drawings

PTL TAB CONTACT, 12 AWG

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1971780-2_E.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1971780-2_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1971780-2_E.3d_stp.zip](#)



English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[1-1773734-9 TE Power Triple Lock Quick Reference Guide - German](#)

German

[9-1773465-1 Power Triple Lock QRG](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English