

1971786-1 ✓ ACTIVE



Power Triple Lock

TE Internal #: 1971786-1

Power Contacts, Contact, 600 VAC, 600 VDC, Tin, 24 – 20 AWG

Wire Size, .2 – .5 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: **24 – 20 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 |
|-------------------|---------|

Contact Features

| | |
|---|-------------------------------|
| Contact Mating Area Plating Material | Tin |
| Contact Current Rating (Max) | 7.2 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 | Brass |
| Wire Contact Termination Area Plating Thickness | .8 – 2.5 μm[31.49 – 98.4 μin] |



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

Termination Features

| | |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

Mechanical Attachment

| | |
|-------------------------|------|
| Wire Insulation Support | With |
|-------------------------|------|

Dimensions

| | |
|--------------------------------------|--------------------------------|
| Wire Size | .2 – .5 mm ² |
| Compatible Insulation Diameter Range | 1.43 – 2.7 mm [.056 – .106 in] |

Usage Conditions

| | |
|-----------------------------|-----------------------------|
| Operating Temperature Range | -55 – 105 °C [-67 – 302 °F] |
|-----------------------------|-----------------------------|

Operation/Application

| | |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Industry Standards

| | |
|-----------------|---------|
| Agency/Standard | UL, VDE |
|-----------------|---------|

Packaging Features

| | |
|------------------|------|
| Packaging Method | Reel |
|------------------|------|

Other

| | |
|--------------------------|---------------------------------------|
| Power Connectors Comment | Complies with IEC 61984 Specification |
|--------------------------|---------------------------------------|

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-C1701B
POWER TRIPLE LOCK: Glow Wire Cap



TE Part # CAT-P87074-C1701
Standard Temperature Caps | POWER TRIPLE LOCK



TE Part # CAT-P87074-P729
POWER TRIPLE LOCK Plug, Standard Temperature



TE Part # CAT-P87074-C1701A
POWER TRIPLE LOCK High Temperature Caps



TE Part # 1452426-1
EXTRACTION TOOL



TE Part # 1-2232263-1
PTL 1X2 CAP PANEL MT HOT WIRE KEY A BLK



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



TE Part # 2217267-1
SDE COMMERCIAL TOOL/DIE



TE Part # 1-2232264-1
PTL 2X3 CAP PANEL MT HOT WIRE KEY A BLK



TE Part # 1-2232356-6
PTL 3X3 CAP PANEL MT HOT WIRE KEY A BLK



TE Part # 2-2151744-1
OCEAN_2.0_Applicator-S-055F110F



TE Part # 2-2151744-2
OCEAN_2.0_Applicator-S-055F110F



TE Part # 2-2232263-1
PTL 1X2 CAP PANEL MT HOT WIRE
KEY B NAT



TE Part # 2151744-1
OCEAN_2.0_Applicator-S-055F110F



TE Part # 2151744-2
OCEAN_2.0_Applicator-S-055F110F



TE Part # 2217267-2
SDE COMMERCIAL TOOL/DIE



TE Part # 2837163-1
OC-AT-S-FM-142F-001-0342



TE Part # 7-2151744-1
OCEAN_2.0_Applicator-S-055F110F




TE Part # 7-2151744-2
OCEAN_2.0_Applicator-S-055F110F




TE Part # 7-2151744-7
OCEAN_2.0_SPARE_PART_KIT-
055F110F


Also in the Series | **Power Triple Lock**



Insertion & Extraction Tools(1)



Power Contacts(30)



Rectangular Connector Locking(12)



Rectangular Power Connectors(300)

Customers Also Bought



TE Part #1971778-3
PTL TPA HIGH TEMP 2 x 3 BLACK



TE Part #1971783-1
PTL RECEPTACLE CONTACT, 16-19
AWG, 2X22



TE Part #1971784-1
Tab Contact — POWER TRIPLE LOCK



TE Part #1-1971775-3
PTL 2X3 CAP PANEL MT STD TEMP
KEY A NAT



TE Part #1969588-2
HSG, REC, FREE-HANGING, SINGLE
ROW, EP2.5



TE Part #1-1969443-0
EP 2.5 TPA Retainer, 10 Pos



TE Part #1969588-3
HSG, REC, FREE-HANGING, SINGLE
ROW, EP2.5



TE Part #1601075-2
131-145-014=WIRE2BLADE,STD,SMZ



Documents

Product Drawings

[PTL TAB CONTACT, 20 - 24 AWG](#)

English

[PTL TAB CONTACT, 20 - 24 AWG](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1971786-1_E.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1971786-1_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1971786-1_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

[MD_1971786-1_03232018726_dmtec](#)

English

[MD_1971786-1_03232018726_dmtec](#)

English

Instruction Sheets

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

English

Agency Approvals

[VDE Certificate](#)

English

[VDE Certificate](#)

English

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Power Contacts, Contact, 600 VAC, 600 VDC, Tin, 24 – 20 AWG Wire Size, .2 – .5 mm²
Wire Size, Wire & Cable, Crimp, Power, Tab, Power Triple Lock

