



Power Triple Lock

TE Internal #: 1971780-2

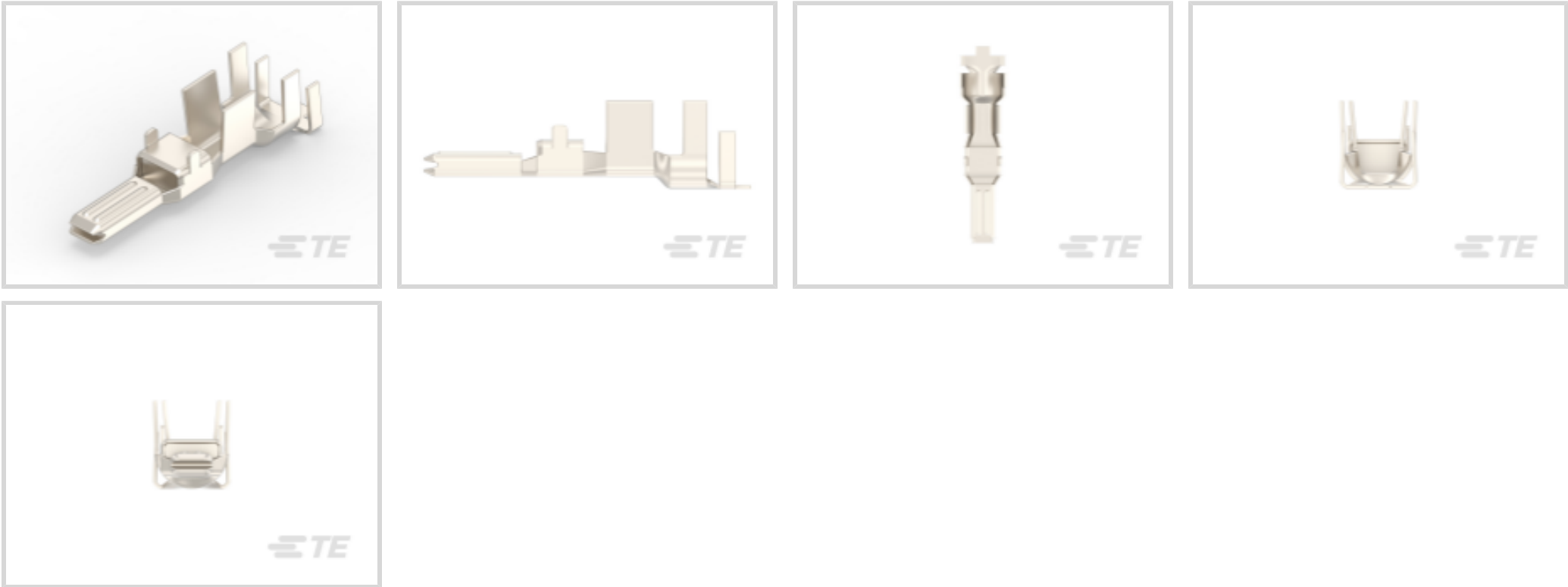
Tab Contact, Tin, 600 VAC, 600 VDC, 12 AWG Wire Size, 3 mm<sup>2</sup>

Wire Size, Crimp, Copper Alloy, Power, -55 – 150 °C [-67 – 302 °F],

Power Triple Lock

[View on TE.com >](#)

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



Contact Type: **Tab**

Contact Mating Area Plating Material: **Tin**

Wire Contact Termination Area Plating Material: **Pre-Tin**

Operating Voltage: **600 VDC**

[All Tab Contact — POWER TRIPLE LOCK \(10\)](#)

Features

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 600 VDC |
|-------------------|---------|

Contact Features

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



Termination Features

|                                    |              |
|------------------------------------|--------------|
| Termination Method to Wire & Cable | Crimp        |
| Product Terminates To              | Wire & Cable |

Mechanical Attachment

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

Dimensions

|                                      |                                |
|--------------------------------------|--------------------------------|
| Compatible Insulation Diameter Range | 3.85 – 4.25 mm[.151 – .167 in] |
| Wire Size                            | 3 mm²                          |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 150 °C[-67 – 302 °F] |
|-----------------------------|----------------------------|

Operation/Application

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

Industry Standards

|                                           |         |
|-------------------------------------------|---------|
| Compatible With Agency/Standards Products | UL, VDE |
|-------------------------------------------|---------|

Packaging Features

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

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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>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                                                                                      |

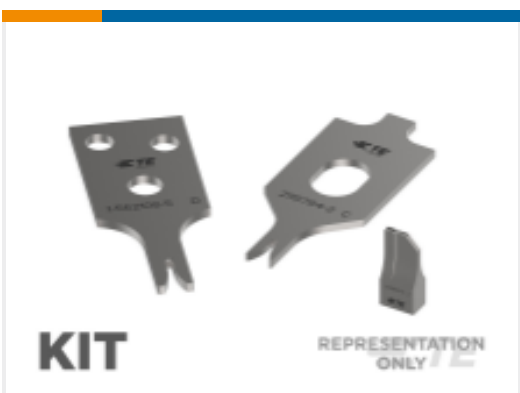
Product Compliance Disclaimer

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

|                                                                                                                                                                   |                                                                                                                                                              |                                                                                                                                     |                                                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # CAT-P87074-C1701A<br/>POWER TRIPLE LOCK High Temperature Caps</p> |  <p>TE Part # 1-1971875-4<br/>PTL 3X4 CAP PANEL MT STD TEMP KEY A NAT</p> |  <p>TE Part # 1452426-1<br/>EXTRACTION TOOL</p> |  <p>TE Part # 2217268-1<br/>SDE HAND TOOL</p>                             |
|  <p>TE Part # 2151741-1<br/>OCEAN_2.0_Applicator-S-120F190F-RSM</p>            |  <p>TE Part # 2151741-2<br/>OCEAN_2.0_Applicator-S-120F190F-RSA</p>      |  <p>TE Part # 2217268-2<br/>SDE DIE SEET</p>   |  <p>TE Part # 2305570-1<br/>Strip Terminal Cutter-Side Feed-No Crimp</p> |
|  <p>TE Part # 7-2151741-7<br/>OCEAN_2.0_SPARE_PART_KIT-120F190F</p>            |                                                                                                                                                              |                                                                                                                                     |                                                                                                                                                               |

Also in the Series | Power Triple Lock

|                                                                                                                   |                                                                                                                    |                                                                                                                                  |                                                                                                                                |
|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
|  <p>Connector Contacts(26)</p> |  <p>Connector Hardware(12)</p> |  <p>Insertion &amp; Extraction Tools(1)</p> |  <p>Rectangular Power Connectors(301)</p> |
|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|



Customers Also Bought

TE Part #5-1971775-3

POWER TRIPLE LOCK High Temperature Caps

TE Part #5-1971773-4

PTL 1X4 PLUG HSG HIGH TEMP KEY A LGR

TE Part #1-1971772-4

PTL 1X4 CAP PANEL MT STD TEMP KEY A NAT

TE Part #1971782-2

Tab Contact — POWER TRIPLE LOCK

TE Part #1971777-4

PTL TPA HIGH TEMP 1 x 4 BLACK

TE Part #1971779-2

PTL RECEPTACLE CONTACT, 12 AWG

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

9-1773465-1Power Triple Lock QRG

English

Product Specifications

Application Specification



English

[Instruction Sheets](#)

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

English