



Power Triple Lock

TE Internal #: 2-1971777-3

Rectangular Connector Locking, TPA (Terminal Position Assurance),  
3 Position, UL 94V-0, -67 – 284 °F [-55 – 140 °C], Power Triple Lock

[View on TE.com >](#)

Connectors > Rectangular Connectors > Rectangular Connector Accessories > Rectangular Connector Locking



Connector & Contact Retention Accessory Type: **TPA (Terminal Position Assurance)**

Number of Positions: **3**

UL Flammability Rating: **UL 94V-0**

Operating Temperature Range: **-55 – 140 °C [-67 – 284 °F]**

Features

Product Type Features

|                                              |                                   |
|----------------------------------------------|-----------------------------------|
| Connector & Contact Retention Accessory Type | TPA (Terminal Position Assurance) |
|----------------------------------------------|-----------------------------------|

Configuration Features

|                     |   |
|---------------------|---|
| Number of Positions | 3 |
|---------------------|---|

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 600 VAC |
|-------------------|---------|

Body Features

|                          |                  |
|--------------------------|------------------|
| Primary Product Material | Glass-Filled PBT |
| Primary Product Color    | Natural          |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 140 °C[-67 – 284 °F] |
|-----------------------------|----------------------------|

Operation/Application

|              |    |
|--------------|----|
| Halogen Free | No |
|--------------|----|

Industry Standards

|                  |                               |
|------------------|-------------------------------|
| Glow Wire Rating | Hot Wire Part - Not Glow Wire |
|------------------|-------------------------------|



UL Flammability Rating

UL 94V-0

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 2500 |
| Packaging Method   | Bag  |

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)<br>Candidate List Declared Against: JUNE 2023 (235)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                  |
| 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 # 1-2232356-6  
PTL 3X3 CAP PANEL MT HOT WIRE  
KEY A BLK



TE Part # 1-2232357-6  
PTL 3X3 PLUG HSG HOT WIRE KEY A  
BLK



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 #6-1333203-2<br>ANVIL, COMB. (.070)      | TE Part #1-1633932-1<br>ANVIL, COMBINATION | TE Part #1-1803058-3<br>ANVIL COMBINATION      | TE Part #2-1333225-1<br>ANVIL, COMB., SPECIAL     |
|                                                  |                                            |                                                |                                                   |
| TE Part #5-1673600-2<br>CRIMPER, WIRE F (.093'') | TE Part #6-1633138-0<br>ANVIL, COMBINATION | TE Part #6-1633588-9<br>CRIMPER, WIRE 'F' .053 | TE Part #1599185-2<br>HSG ASSY 76 POS PIN CONTACT |
|                                                  |                                            |                                                |                                                   |
| TE Part #1-1803057-9<br>ANVIL, COMBINATION       | TE Part #EK4956-000<br>FLTWC0319-20-2-L376 |                                                |                                                   |

Documents

**Product Drawings**  
**PTL TPA HWI 1 X 3 NATURAL**

English

**CAD Files**  
**3D PDF**  
3D



Customer View Model

[ENG\\_CVM\\_CVM\\_2-1971777-3\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1971777-3\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1971777-3\\_B.3d\\_stp.zip](#)

English

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

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[MD\\_2-1971777-3\\_02012018211\\_dmtec](#)

English

[MD\\_2-1971777-3\\_02012018211\\_dmtec](#)

English