



Power Triple Lock

TE Internal #: 1-1971776-3  
Rectangular Power Connectors, Housing, Plug, Wire-to-Wire, 6  
Position, 6 mm [.236 in] Centerline, Wire & Cable, UL 94V-0, Power  
Triple Lock  
[View on TE.com >](#)

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors > POWER TRIPLE LOCK Plug, Standard Temperature



Rectangular Power Connector Type: **Housing**  
Connector & Housing Type: **Plug**  
Connector System: **Wire-to-Wire**  
Number of Positions: **6**  
Centerline (Pitch): **6 mm [ .236 in ]**

[All POWER TRIPLE LOCK Plug, Standard Temperature \(48\)](#)

Features

Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	6
Number of Power Positions	6
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VDC
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Body Features

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Cable Exit Angle	180°
Connector & Keying Code	A

Contact Features

Contact Layout	Matrix
Contact Retention Within Housing	Without
Contact Type	Receptacle

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Panel Mount Feature	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Centerline (Pitch)	6 mm[.236 in]
Housing Color	Natural
Housing Material	PBT GF

Dimensions

Row-to-Row Spacing	8.1 mm[.319 in]
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Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Operation/Application

Circuit Application	Power
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Identification Marking

Circuit Identification Feature	With
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Industry Standards

UL Rating	Recognized
Agency/Standard	UL
Approved Standards	UL E28476
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Method	Carton
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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: JUNE 2023 (235) 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 # 1971778-3  
PTL TPA HIGH TEMP 2 x 3 BLACK



TE Part # CAT-P87074-R2435  
Receptacle Contact — POWER TRIPLE LOCK



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



TE Part # 1452426-1  
EXTRACTION TOOL



TE Part # 1971789-1  
CPA

TE Part # 5-2232266-3  
PTL 2X3 PLUG HSG GLW WIRE KEY A DGR

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 #1971777-5  
PTL TPA HIGH TEMP 1 x 5 BLACK

TE Part #177903-1  
POWER DBL LOCK PLUG HSG 9P

TE Part #177911-1  
POWER DBL LOCK CAP HSG P/M 9P

TE Part #521368-2  
ULTRA-POD 250 ASSY REC 22-18 AWG TPBR

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

TE Part #1971784-1  
PTL TAB CONTACT, 16-19 AWG, 2X22 AWG

TE Part #1-1971776-4  
PTL 2X4 PLUG HSG STD TEMP KEY A NAT

TE Part #521284-1  
ULTRA-POD 187 ASSY REC 20-16 AWG BR

TE Part #2232900-6  
ECONOMY POWER TPA RETAINER



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-1971776-3\_E.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-1971776-3\_E.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-1971776-3\_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

Product Environmental Compliance

MD\_1-1971776-3\_06232016849\_dmtec

English

MD\_1-1971776-3\_06232016849\_dmtec

English

TE Material Declaration

English