

SOLARLOK SAFE-TE CONNECTORS

PV CONNECTORS INTERFACE PROTECTION



MALE
2396108-1



FEMALE
2396109-1

**ENSURE SAFE WORKING CONDITIONS
FOR INSTALLERS WHILE PROTECTING
PV CONNECTORS**

APPLICATIONS

- Photo-voltaic Connectors
- Photo-voltaic Harness
- Solar Panels
- String Inverters
- Combiner Boxes
- DC Optimizers

RELEVANT STANDARDS AND TESTING

- Voltage up to 1500V DC
- IPX8 (24hrs Immersion - 1 meter depth)
- UV Resistant
- RoHS & Halogen Free

KEY FEATURES

- Connect mechanically with any connectors using the SSI Standard Solar Interface
- Facilitate labeling for the circuit identification with hole punched pull tabs
- Protect wire harness O-ring from premature degradation
- Protect the PV connectors' interface from harsh environment
- Provide reliable plug and play PV connector interface protection

TE Connectivity's (TE) SOLARLOK SAFE-TE Connectors protect disconnected PV connectors from being exposed to environment post-installation and prior to energizing. These connectors are both easy to install and delatch with the appropriate delatch tool (1971903-1).

In most cases, during harness or PV cable installation, connectors are left detached prior to energizing which can cause them to be contaminated from external elements (i.e. moisture, dust).

Our design ensures that installers are not exposed to undesired interfaces such as live-wires until the harness or PV cable with connectors are ready to be connected.

TECHNICAL SPECIFICATIONS

TCPN	Product Description	Length mm(Inches)	Weight (gms)	Maximum Voltage Rating VDC	Standard Packaging Quantity
2396108-1	SAFE-TE MALE	50.3 (1.98)	6.4	1500	500 pcs
2396109-1	SAFE-TE FEMALE	59.55 (2.34)	5.6		

DESIGN DATA

Material Type	PPE+PS
Material Color	Black
Material Properties	Solar Grade Resin
Design Specification	Connecting to the SSI Standard Solar Interface*
Operating Temperature Range	-40°C to +90°C (-40°F to 194°F)
Resistance to Impact	Meet UL6703 & IEC62852 requirements

*SAFE-TE connectors also works with certain other PV connector brands, please consult your TE representative for further information.

INSTALLATIONS INSTRUCTIONS

Product	Document Reference
2396108-1	EPP-3983-4/22
2396109-1	

ACCESSORIES- REQUIRES TE RELEASE WRENCH TO DISASSEMBLE



Learn more: [TE.com/solar](https://www.te-connectivity.com/solar)

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