

'elmex' PV Solar Straight Inline Fuse Connectors-1500V



'elmex' PV Solar Straight Inline Fuse Connectors models EMPV4IFC1500, EMPV4IFCM1500, EMPV4IFCF1500, and EMPV4IFC1500-CC are designed for photovoltaic string protection. 'elmex' Inline Fuse connectors provide flexible options, allowing users to select configurations with a male or female straight connector at one end and cable at the other, or with male/female straight connectors at both ends for string protection with an integrated fuse. Inline Fuse Connectors are constructed from flame-retardant engineering thermoplastic, these connectors are UV-resistant, ensuring long-term durability in outdoor PV power generation systems. They are compatible with 2.5, 4.0, and 6.0 mm² cables and are designed to work with gPV (Cylindrical) fuses of Ø 10 x 85 mm. These connectors offer reliable, safe and efficient protection for photovoltaic strings, making them ideal for use in solar power installations.



EMPV4IFC1500



EMPV4IFCM1500



EMPV4IFCF1500

Description	Specifications
Rated Voltage	1500V DC
Rated Current gPV*	Various ampacity ratings available: DC 1500 V: 1 – 30 A
RMS withstand Voltage	8 kV
Ambient temperature range	-40 °C ... +85 °C
Upper Limit Temperature	+110°C
Protection Class	Class II
Flammability Class	UL94-V0
Pollution Degree	2
Degree of Protection	IP68 (when mated)
Contact material	Copper with Tin Plating
Insulation material	PPO
Locking System	Snap In

*Please refer to the information on the product or packaging for details regarding the variant/mode

- Note: (1) 'elmex' Connectors are suitable for PV Solar Cables of 2.5 / 4.0 / 6.0 mm² (As per standard EN 50618/ IEC 62930).
(2) Connectors when mated, need a tool to open in accordance with NEC 2014.
(3) It is recommended to use gPV (cylindrical) fuse of Ø 10 X 85 mm dimension.
(4) Do not connect Straight Inline fuse connectors directly to MPPT of String Inverter.

'elmex' gPV Fuse Link

'elmex' gPV Fuse Link suitable for 1500V DC photovoltaic applications.



EPVFL1500

Description	Specifications
Rated Voltage	1500V DC
Rated Current	upto 30 A
Type	gPV (Cylindrical)
Dimension	Ø 10 X 85 mm
Testing Standard	UL 248-1, UL 248-19 Extended to UL 2579

