



**MC4 - ELMC4-F**

# MC4-F Connector

## ELMC4-F

### General

The MC4 fuse holder is an in-line, waterproof connector designed for photovoltaic (PV) solar systems to provide overcurrent protection for solar panels and other components. It integrates a safety fuse into a standard MC4 connector format, allowing for simple "plug-and-play" installation in solar wiring.



### Functions

- Makes photovoltaic power generation safer.
- Quick connection of photovoltaic cables and easy to install.
- Extremely low contact resistance.
- Waterproof and dustproof design.
- Excellent resistance to high and low temperatures, freeze, and UV radiation.

### Application

- PV Solar Systems

### Technical data

Parameter	Data
Connector System:	6mm.
Rated Voltage (V):	1500V DC
Rated Current (A):	30A
Ambient Temperature Range:	-40°C +90° C(IEC) -40°C +75° C(UL)
Upper limiting Temperature:	+105°C (IEC)
Degree Of Protection, Mated / Unmated:	IP67 / IP2X
Diode/Fuse type	Schottky diode/PV fuse
Contact Resistance of Plug Connectors:	0.5mΩ
Safety class:	II
Contact Material:	Messing, Copper Alloy, tin plated
Insulation Material:	PC/PPO
Locking System:	Snap-in
Flame Class:	UL94-HB/UL94-V0
Salt mist spray test, degree of severity 5:	IEC60068-2-52

### Dimensional Drawing(mm)

