

'elmex' PV Solar Panel Connectors EMPVPCM4N and EMPVPCF4N are designed for panel mounting connections in photovoltaic (PV) systems and are constructed using flame-retardant engineering thermoplastic. 'elmex' make PV Solar Panel connectors are suitable for UV exposure and harsh environmental conditions, making the connectors ideal for PV power generation applications. 'elmex' make PV Solar panel connectors are specifically designed for use with photovoltaic devices such as DC Distribution Boxes, Inverters, and String Combiner Boxes. The connector feature a hexagonal nut for secure fixing and tightening onto mounting surfaces. A silicone rubber O-ring between the panel connector and the photovoltaic enclosure ensures protection against water and dust ingress, enhancing durability. Additionally, 'elmex' PV Solar Panel connectors are compatible not only with 'elmex' straight connectors but also with straight connectors from leading international manufacturers that have similar construction, providing flexibility and ease of integration into various PV systems.

With NEC Interlock*



EMPVPCM4N



EMPVPCF4N



Features

- ❖ TUV Certified
- ❖ Snap Fit Locking Arrangement
- ❖ IP 68 Protection (when mated)
- ❖ Low Contact Resistance
- ❖ Provides UV Protection (Tested for 500 hrs as per ISO 4892-2)
- ❖ Tested as per International Standards IEC 62852

Description	Specifications
Rated Voltage	1500V DC (IEC)
Rated Current	25 A (2.5 mm ²), 45 A (4 mm ²), 54 A (6 mm ²)
Rated Impulse Voltage	16 kV
RMS withstand Voltage	8 kV
Ambient temperature range	-40 °C ... + 85 °C (IEC)
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
Type of Termination	Crimping
Contact Resistance of plug connectors	≤ 0.25 mΩ
Locking System	Snap In
TÜV Rheinland certified according to IEC 62852:2014	R 60126561

Note: Our Connectors are suitable for PV Solar Cables of 2.5 / 4.0 / 6.0 mm² (As per standard EN 50618/ IEC 62930).

*Connectors when mated, need a tool to open in accordance with NEC 2014.