

'elmex' PV Solar Panel connectors **EMPVPCM4N** and **EMPVPCF4N** are applicable for panel mounting connection. They are constructed using flame retardant engineering thermoplastic suitable for exposure to UV rays and for application in PV power generation system. 'elmex' panel connectors are designed for use in connection for photovoltaic devices like DC Distribution Box, Inverter, String Combiner Box, etc. These connectors are provided with hexagonal nut for fixing and tightening it on mounting surface. A silicon rubber o-ring is provided between panel connector surface and the wall of the photovoltaic enclosure ensuring protection against ingress of water & dust. 'elmex' panel connectors have mating compatibility not only with 'elmex' straight connectors but also with straight connectors of leading international makes having similar construction.

with NEC Interlock*



EMPVPCM4N

with NEC Interlock*



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
Rated Current	25A (2.5 mm ²), 45A (4 mm ²), 54A (6 mm ²)
RMS Test Voltage	8 kV (1500V)
Impulse with stand Voltage	16 kV
Degree of Protection	IP 68
Contact Material	Copper with Tin Plating
Ambient Temperature	-40° C to +85° C
Max. Operating Temp.	+110° C
Pollution Degree	3
Contact Resistance	≤ 0.25 mΩ
Insertion Force	≤ 50 N
Withdrawal Force	≥ 50 N
Locking System	Snap In



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

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