

Connectors for PV applications

Rated voltage

1500 VDC

Rated input current

25 / 40 A

Standard

MC4

Protection class

IP 68

Tested and certified
according to TÜV standards
IEC 62852:2014
IEC 62852:2014/AMD1:2020
EN 62852:2015/A1:2020



Morek's photovoltaic connectors are designed for long-term outdoor use and are compatible with MC4 connections.

Advantages

- For conductors 4 ÷ 6 mm
- Rated voltage 1500 VDC
- Rated input current 25 A / 40 A
- Standard MC4
- Protection class IP 68
- Easy disconnection without tools
- Versions for shield and panels



Flying version



Panel version

| | | | | | |
|-------|---|------------|------------|------------|------------|
| Black | ● | MAP1006B40 | MAP2006B40 | MAP1106B40 | MAP2106B40 |
|-------|---|------------|------------|------------|------------|

| Technical data | | | | | |
|-----------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Conductor cross-section Cu (mm ²) | 4 - 6 mm ² | 4 - 6 mm ² | 4 - 6 mm ² | 4 - 6 mm ² | 4 - 6 mm ² |
| Rated input current (A) | 40 A (4 ÷ 6 mm ²) | 40 A (4 ÷ 6 mm ²) | 40 A (4 ÷ 6 mm ²) | 40 A (4 ÷ 6 mm ²) | 40 A (4 ÷ 6 mm ²) |
| Rated voltage DC (V) | 1500 | 1500 | 1500 | 1500 | 1500 |
| Rated impuls voltage (kV) | 8 | 8 | 8 | 8 | 8 |
| Rated insulation voltage(kV) | 10 | 10 | 10 | 10 | 10 |
| Pollution degree | 3 | 3 | 3 | 3 | 3 |
| Temperature range (°C) | - 40 ÷ +85 | - 40 ÷ +85 | - 40 ÷ +85 | - 40 ÷ +85 | - 40 ÷ +85 |
| Material of the electroconductive part | tinned copper | tinned copper | tinned copper | tinned copper | tinned copper |
| Material of the insulating part | PPE + PS | PPE + PS | PPE + PS | PPE + PS | PPE + PS |
| Flammability | UL 94 V- 0 standard, halogen free | UL 94 V- 0 standard, halogen free | UL 94 V- 0 standard, halogen free | UL 94 V- 0 standard, halogen free | UL 94 V- 0 standard, halogen free |
| Width / Height / Length (mm) | 20 / 20 / 62 | 20 / 20 / 59 | 20 / 20 / 62 | 20 / 20 / 62 | 20 / 20 / 62 |
| Weight (g) | 11 | 10 | 11 | 11 | 11 |
| Package (pcs) | 50 / 300 | 50 / 300 | 50 / 300 | 50 / 300 | 50 / 300 |
| Tested according standards | EN 62852:2015 + A1:2020 | EN 62852:2015 + A1:2020 | EN 62852:2015 + A1:2020 | EN 62852:2015 + A1:2020 | EN 62852:2015 + A1:2020 |



Photovoltaic 2,5-6 mm² male connector



Photovoltaic 2,5-6 mm² female connector

| | | | |
|---------------|---|------------|------------|
| White | ● | MAP0000A40 | - |
| Red / blue | ● | - | MAP0001A40 |
| Package (pcs) | | 1 pair | 1 |