

Morek's photovoltaic connectors are designed for long-term outdoor use and are compatible with MC-4 connections.

Advantages

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



Flying version



Panel version

	male	female	male	female
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
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)
Rated voltage DC (V)	1500	1500	1500	1500
Rated impuls voltage (kV)	8	8	8	8
Rated insulation voltage(kV)	10	10	10	10
Pollution degree	3	3	3	3
Temperature range (°C)	- 40 ÷ +85	- 40 ÷ +85	- 40 ÷ +85	- 40 ÷ +85
Material of the electroconductive part	tinned copper	tinned copper	tinned copper	tinned copper
Material of the insulating part	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
Width / Height / Length (mm)	20 / 20 / 62	20 / 20 / 59	20 / 20 / 62	20 / 20 / 62
Weight (g)	11	10	11	11
Package (pcs)	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



Photovoltaic 2,5-6 mm² male connector



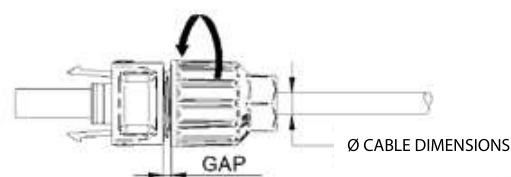
Photovoltaic 2,5-6 mm² female connector

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

Connector assembly instruction

Please referred to the assembly specification for cable dimension as shown in the following table before cable assembling, and please do not applying exceeded tightening torque for the connecting safety and performance issues.

- The cable must be 8 mm stripped.
- Insert the crimped contact without removing the gland ring.
- Applies to products:
MAP2006B40
MAP1006B40
MAP2106B40
MAP1106B40



Assembling specification

Cable dimension	Gap	Tightening torque
Sez. 4 mm (5,0 ÷ 6,6 mm ²)	2,2 ± 0,2 mm	1,2 ÷ 1,5Nm
Sez. 6 mm (6,0 ÷ 7,1 mm ²)	2,3 ± 0,2 mm	1,2 ÷ 1,5Nm