

CONNECTORS FOR PHOTOVOLTAIC SYSTEMS

FEMALE CONNECTOR, MC4, 6 mm MALE CONNECTOR, MC4, 6 mm

Connector for DC cables in photovoltaic systems.

- Easy installation
- Consolidated MC4 standard



TECHNICAL SPECIFICATIONS

	FEMALE CONNECTOR	MALE CONNECTOR
Standard	MC4	MC4
Maximum voltage	1500 V	1500 V
Connection	6 mm ²	6 mm ²
Maximum current	22.5 A (2.5 mm ²) / 39 A (4 mm ² /6 mm ²) / 45 A (10 mm ²)	22.5 A (2.5 mm ²) / 39 A (4 mm ² /6 mm ²) / 45 A (10 mm ²)
Operating temperature	-40 °C to 85 °C (TUV/UL) (-40 °F to 185 °F)	-40 °C to 85 °C (TUV/UL) (-40 °F to 185 °F)
Maximum temperature	105 °C (221 °F)	105 °C (221 °F)
Connected ingress protection rating	IP68 (1 minute) / IP65 (1 hour)	IP68 (1 minute) / IP65 (1 hour)
Disconnected ingress protection rating	IP2X	IP2X
Overvoltage category	CATIII	CATIII
Pollution degree	3	3
Maximum contact resistance of connectors	0.25 mΩ	0.25 mΩ
Safety category	100 VDC: II and 1,500 VDC	100 VDC: II and 1,500 VDC
Peak voltage	16 kV (1500 DC)	16 kV (1500 DC)
Contact system	MULTILAN	MULTILAN
Insulation material type	PC/AC	PC/AC
Termination type	Crimped	Crimped
Connector material type	Tinned copper	Tinned copper
Flammability class	UL94-V0	UL94-V0
Salt spray test, severity level 6	yes	yes
Weight	11 g	11 g
Dimensions (plastic part)	60 mm × 18.8 mm	60 mm × 18.8 mm
Dimensions (metal part)	34 mm × 4 mm	58 mm × 4 mm

PRODUCT PHOTOS



TECHNICAL DRAWINGS

