

44428277	DATA SHEET	
Valid from: 30.10.2024	EPIC® SOLAR 4 GEN2 MALE CONNECTOR	

Description

- Low contact-resistance for efficient power transmission
- Crimp connection for field mounting

General Characteristics

Series	EPIC® SOLAR 4 GEN2
Rated voltage	1500 V DC
Rated impulse voltage	16 kV
Contact resistance	< 0.5 mOhm
Flammability Class	V-0
Protection	IP 65 / IP 68, (1m/ 1h)
Protection class	II
Temperature range	-40°C to +85°C



Materials and Surfaces

Insulating Body	Polycarbonate
Cap nut	Polyamid
Contact	Copper alloy, tin plated

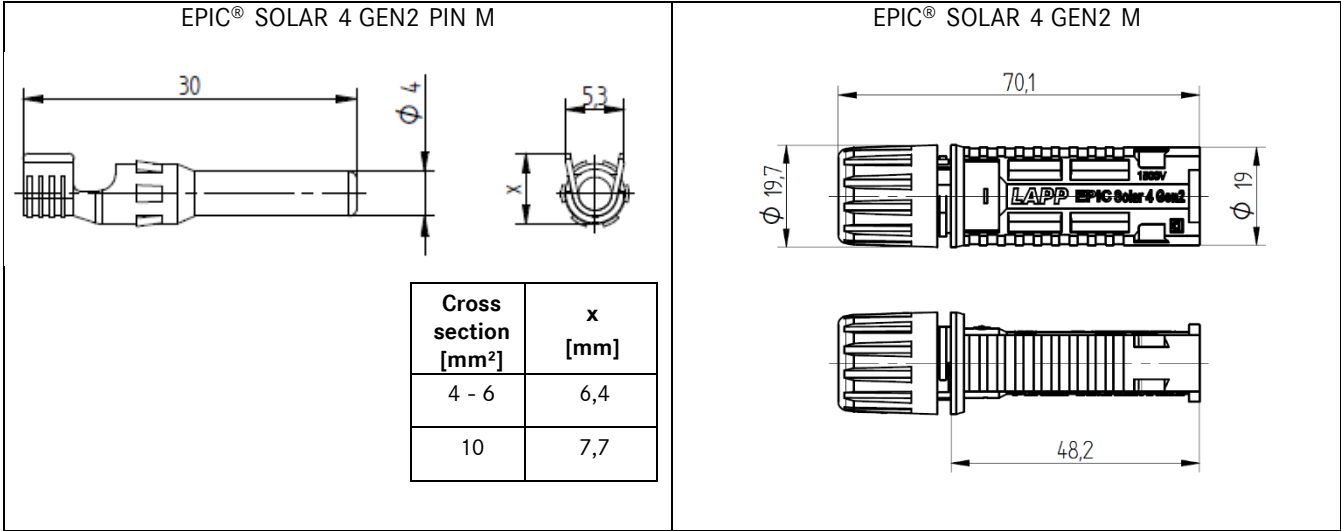
Article Number	Article	Description	Cross section [mm²]	Cable clamping range [mm]	Rated current [A]
EPIC® SOLAR 4 GEN2, male field-mountable, inclusive contacts					
44428277	EPIC® SOLAR 4 GEN2 M 4-6 5.2-7.0mm	male connector incl. contacts 4-6mm² (100 pcs)	4 - 6	5,2 - 7,0	50
381166810	EPIC® SOLAR 4 GEN2 M 4-6 5.2-7.0mm	male connector incl. contacts 4-6mm² (10 pcs)	4 - 6	5,2 - 7,0	50
44428268	EPIC® SOLAR 4 GEN2 M 10mm²	male connector incl. contacts 10mm² (100 pcs)	10	7,0 - 7,4	55
EPIC® SOLAR 4 GEN2, male field-mountable, exclusive contacts					
44428270	EPIC SOLAR 4 GEN2 M 5.2-7.0mm	male connector without contacts (100 pcs)	-	5,2 - 7,0	50
381166461	EPIC SOLAR 4 GEN2 M 5.2-7.0mm	male connector without contacts (700 pcs)	-	5,2 - 7,0	50
EPIC® SOLAR 4 GEN2, male contacts					
44428272	EPIC SOLAR 4 GEN2 PIN M 4-6mm²	male contacts on reel (2500 pcs)	4 - 6	-	-

Article Number	Cross section [mm²]	Max. permitted current [A]
44428277	4	40
	6	50
381166810	4	40
	6	50

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Technical Drawings



Solar Energy



UV-resistant



Waterproof



Info

4 mm connector system with double hook
Field-mountable solar connector

Application range

Photovoltaic plants
Crystalline and thin-film constructions
Solartracker

Product features

TÜV SÜD certified
Inclusive contacts

Remark

Photographs are not to scale and do not represent detailed images of the respective products.

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