

44428277	DATA SHEET	
Valid from: 15.04.2025	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	-	-
44428219	EPIC SOLAR 4PLUS PIN M 4-6mm²	male contacts (100 pcs)	4 - 6	-	-

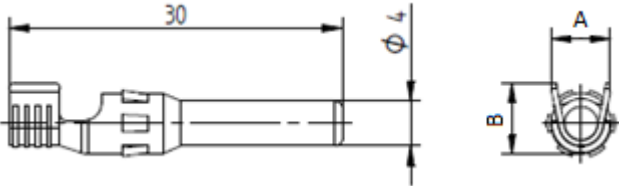
Article Number	Cross section [mm²]	Max. permitted current [A]
44428277	4	40
	6	50
381166810	4	40
	6	50

Creator: TODV1/BU EPIC Released: VACH1/BU EPIC	Document: DB44428277EN Version: 03	Page 1 of 2
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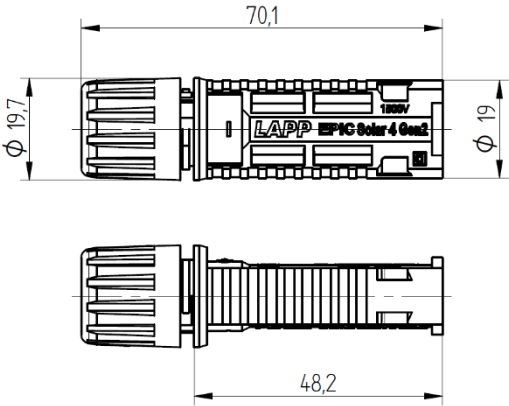
Technical Drawings

EPIC® SOLAR 4 GEN2 PIN M



Article	A [mm]	B [mm]
EPIC SOLAR 4 GEN2 PIN M 4-6mm²	5,3	6,4
EPIC SOLAR 4 GEN2 PIN F 10mm²	5,3	7,7
EPIC SOLAR 4PLUS PIN M 4-6mm²	4,8	5,9

EPIC® SOLAR 4 GEN2 M





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.