

44428278	DATA SHEET	
Valid from: 15.04.2025	EPIC® SOLAR 4 GEN2 FEMALE 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 [mm ²]	Cable clamping range [mm]	Rated current [A]
EPIC® SOLAR 4 GEN2, female field-mountable, inclusive contacts					
44428278	EPIC® SOLAR 4 GEN2 F 4-6 5.2-7.0mm	female connector incl. contacts 4-6mm ² (100 pcs)	4 - 6	5,2 - 7,0	50
381166811	EPIC® SOLAR 4 GEN2 F 4-6 5.2-7.0mm	female connector incl. contacts 4-6mm ² (10 pcs)	4 - 6	5,2 - 7,0	50
44428269	EPIC® SOLAR 4 GEN2 F 10mm ²	female connector incl. contacts 10mm ² (100 pcs)	10	7,0 - 7,4	55
EPIC® SOLAR 4 GEN2, female field-mountable, exclusive contacts					
44428271	EPIC SOLAR 4 GEN2 F 5.2-7.0mm	female connector without contacts (100 pcs)	-	5,2 - 7,0	50
381166462	EPIC SOLAR 4 GEN2 F 5.2-7.0mm	female connector without contacts (700 pcs)	-	5,2 - 7,0	50
EPIC® SOLAR 4 GEN2, female contacts					
44428273	EPIC SOLAR 4 GEN2 PIN F 4-6mm ²	female contacts on reel (2500 pcs)	4 - 6	-	-
44428220	EPIC SOLAR 4PLUS PIN F 4-6mm ²	female contacts (100 pcs)	4 - 6	-	-

Article Number	Cross section [mm ²]	Max. permitted current [A]
44428278	4	40
	6	50
381166811	4	40
	6	50

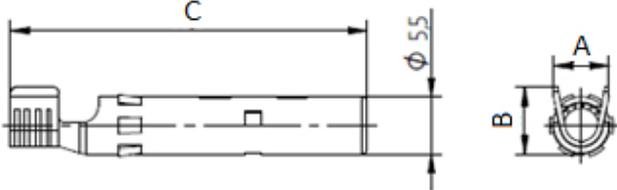
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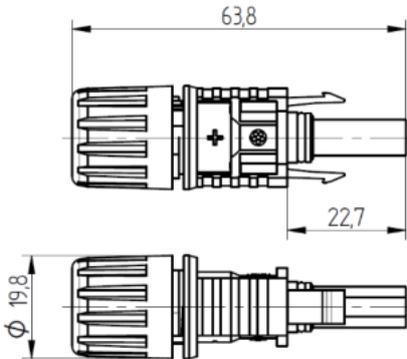
Technical Drawings

EPIC® SOLAR 4 GEN2 PIN F



Article	A [mm]	B [mm]	C [mm]
EPIC SOLAR 4 GEN2 PIN F 4-6mm ²	5,3	6,4	33,8
EPIC SOLAR 4 GEN2 PIN F 10mm ²	5,3	7,7	33,8
EPIC SOLAR 4PLUS PIN F 4-6mm ²	4,8	5,9	33,6

EPIC® SOLAR 4 GEN2 F





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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