



## EPIC® SOLAR PL008

Pre-assembled solar cables for weatherproof cabling of photovoltaic systems



**i Info**

- Plastic junction box for ambient resistant cabling and connecting of photovoltaic systems

### Benefits

- Cable variations and 4 diodes version on request
- Cost-efficient plastic junction box
- Factory assembled and tested
- Traceability of every junction box ensured by barcode

### Application range

- Photovoltaic plants

### Product features

- Robust junction box for cabling of photovoltaic modules
- Version with 3 diodes for three-string modules
- PTFE membrane equalize the pressure balance and enables humidity to stay out of the junction box
- Assembled with EPIC® SOLAR 4 connector and ÖLFLEX® SOLAR cable 4mm<sup>2</sup>

### Technical data

**ETIM** ETIM 5.0 Class-ID: EC002637  
ETIM 5.0 Class-Description: Printed circuit board connector

**Rated voltage (V)**  
1000 V

**Rated current (A)**  
11 A

**Protection rating**  
IP 65

**Protection class**  
II

**Temperature range**  
-40 °C ... +105 °C

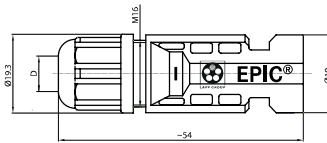
Article number	Article description	PU
<b>EPIC® SOLAR PL008</b>		
44428214	EPIC® SOLAR PL008/3/11 4THIN 4/1	1

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**i Info**

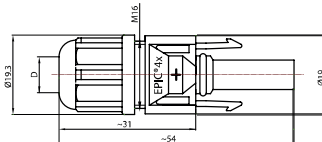
- 4 mm connector system with double hook
- Field-mountable solar connector



**EPIC® SOLAR 4 M**

**i Info**

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



**EPIC® SOLAR 4 F**

**Benefits**

- Low contact-resistance for efficient power transmission
- Crimp connection for field mounting
- Suitable for various ÖLFLEX® SOLAR cables

**Application range**

- Photovoltaic plants
- Crystalline and thin-film constructions
- Solartracker

**Product features**

**EPIC® SOLAR 4 M**

- 4 mm connector system with double hook
- TÜV Rheinland certified
- Inclusive contacts

**EPIC® SOLAR 4 F**

- 4 mm connector system with double hook
- TÜV Rheinland certified
- UL pending
- Inclusive contacts

**Suitable cables**

- ÖLFLEX® SOLAR XLR-R Page 151
- ÖLFLEX® SOLAR XLR WP Page 153
- ÖLFLEX® SOLAR XLS-R Page 152
- ÖLFLEX® SOLAR XLR 1,5kV
- ÖLFLEX® SOLAR XLR 1,5kV WP
- ÖLFLEX® SOLAR XLc

**Suitable tools**

- EPIC® SOLAR TOOL
- For easier assembly of the plastic parts, use EPIC® SOLAR 4 Assembly Tool Set (2 pieces). Holder for insulation body, spanner for cap nut and pins for unlocking

**Suitable connectors**

- EPIC® SOLAR 4 THIN
- EPIC® SOLAR 4 M Page 703
- EPIC® SOLAR 4Plus F

**Technical data**

	ETIM 5.0 Class-ID: EC002641 ETIM 5.0 Class-Description: Modular connector (industrial connector)
	<b>Rated voltage (V)</b> 1000 V AC/DC
	<b>Rated impulse voltage</b> 8 kV
	<b>Degree of soiling</b> 3
	<b>Contact resistance</b> < 0.5 mOhm
	<b>Protection rating</b> IP 67
	<b>Protection class</b> II
	<b>Temperature range</b> -40°C ... +105°C

Article number	Article designation	Cross-section (mm²)	Clamping range in mm	Rated current (A)	PU
<b>EPIC® SOLAR 4 male field-mountable, inclusive contacts</b>					
44428200	EPIC® SOLAR 4 M 2.5 mm²	2.5	4.8 - 6.0	22	100
44428201	EPIC® SOLAR 4 M 4mm² ... 6mm²	4 - 6	5.2 - 7.1	30	100
<b>EPIC® SOLAR 4 male contacts as spare part</b>					
44428217	EPIC® SOLAR 4 PIN M 2.5mm²	2.5			100
44428219	EPIC® SOLAR 4 PIN M 4mm² ... 6mm²	4 - 6			100
<b>EPIC® SOLAR 4 female field-mountable, inclusive contacts</b>					
44428203	EPIC® SOLAR 4 F 2.5 mm²	2.5	5.2 - 6.5	22	100
44428204	EPIC® SOLAR 4 F 4mm² ... 6mm²	4 - 6	5.0 - 7.2	30	100
<b>EPIC® SOLAR 4 female contacts without as spare part</b>					
44428218	EPIC® SOLAR 4 PIN F 2.5mm²	2.5			100
44428220	EPIC® SOLAR 4 PIN F 4mm² ... 6mm²	4 - 6			100
<b>EPIC® SOLAR 4 assembly tool</b>					
44428224	EPIC® SOLAR 4 Assembly Tool Set				1

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## EPIC® CRIMPTOOL

For inserts and modules of the EPIC® rectangular connectors



## EPIC® SOLAR TOOL CSC

Cutting, stripping and crimping with just one tool



**i Info**

- Cutting, stripping and crimping with just one tool

## EPIC® SOLAR TOOL

3 cross section in one tool



**i Info**

- 3 cross section in one tool

### Application range

#### EPIC® SOLAR TOOL CSC

- For crimping of the photovoltaic connector EPIC® SOLAR 4 in the field
- For EPIC® SOLAR 4 and MC4 suitable

#### EPIC® SOLAR TOOL

- For crimping of the photovoltaic connector EPIC® SOLAR 4 in the field
- For EPIC® SOLAR 4 and MC4 suitable

### Product features

#### EPIC® SOLAR TOOL CSC

- Multifunctional die for cutting, stripping and crimping with just one tool
- Locator for the safe and accurate positioning of the crimping contacts

#### EPIC® SOLAR TOOL

- Crimping die for the cable cross sections of 2.5mm<sup>2</sup>, 4mm<sup>2</sup> and 6mm<sup>2</sup>
- Locator for the safe and accurate positioning of the crimping contacts

### Suitable cables

#### EPIC® SOLAR TOOL CSC

- ÖLFLEX® SOLAR XLR-R Page 151
- ÖLFLEX® SOLAR XLR WP Page 153
- ÖLFLEX® SOLAR XLS-R Page 152
- ÖLFLEX® SOLAR XLR 1,5kV
- ÖLFLEX® SOLAR XLR 1,5kV WP
- ÖLFLEX® SOLAR XLc

### Suitable connectors

#### EPIC® SOLAR TOOL CSC

- EPIC® SOLAR 4

#### EPIC® SOLAR TOOL

- EPIC® SOLAR 4

Article number	Article description	Cross-section (min) in mm <sup>2</sup>	Cross-section (max) in mm <sup>2</sup>	PU
<b>Tools</b>				
11147000	Crimping tool			1
<b>Multi-functional die CSC</b>				
44428992	EPIC® SOLAR TOOL CSC DIE 4mm <sup>2</sup>		4	1
44428993	EPIC® SOLAR Tool CSC DIE 6mm <sup>2</sup>		6	1
44428994	EPIC® SOLAR TOOL LOC 4, 6mm <sup>2</sup>	4	6	1
<b>Crimping die</b>				
44428995	EPIC® SOLAR Tool DIE 2.5, 4, 6mm <sup>2</sup>	2.5	6	1
44428996	EPIC® SOLAR Tool LOC 2.5, 4, 6mm <sup>2</sup>	2.5	6	1

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## EPIC® SOLAR 4 Splitter

Pre-assembled solar cables for weatherproof cabling of photovoltaic systems



### Info

- 4 mm connector system with double hook
- Splitter for parallel connection of photovoltaic modules

### Benefits

- Splitter for parallel connection of PV-modules and strings
- Easy plug and play
- Fixing option for a clear installation with a Ø 5mm mounting hole

### Application range

- Photovoltaic plants
- Crystalline and thin-film constructions
- Solartracker

### Product features

- Mateable with EPIC® SOLAR 4 THIN, EPIC® SOLAR 4PLUS, EPIC® SOLAR 4
- Splitter MFF 1x connection male, 2x connection female
- Splitter MFM 1x connection female, 2x connection male

### Suitable connectors

- EPIC® SOLAR 4
- EPIC® SOLAR 4 THIN
- EPIC® SOLAR 4Plus
- EPIC® SOLAR 4 Built in socket

### Technical data

	ETIM 5.0 Class-ID: EC002314 ETIM 5.0 Class-Description: Cap for industrial connectors
	<b>Rated voltage (V)</b> 1000 V AC/DC
	<b>Rated impulse voltage</b> 8 kV
	<b>Rated current (A)</b> 30 A
	<b>Degree of soiling</b> 3
	<b>Protection rating</b> IP65/IP67
	<b>Cycle of mechanical operation</b> 100
	<b>Protection class</b> II
	<b>Temperature range</b> -40 °C ... +85 °C

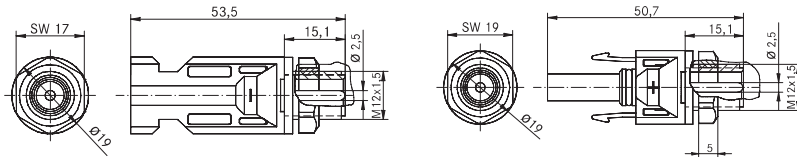
Article number	Article designation	PU
<b>EPIC® SOLAR 4 Splitter</b>		
44428226	EPIC® SOLAR 4 Splitter MFF	25
44428227	EPIC® SOLAR 4 Splitter FMM	25

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## EPIC® SOLAR 4 Built in socket

Pre-assembled solar cables for weatherproof cabling of photovoltaic systems



**Info**

- 4 mm connector system with double hook
- Built in socket for use in inverters

### Benefits

- Built in fitting for inverters, PV string circuit breakers and fuse boxes

### Application range

- Photovoltaic plants
- Inverters
- PV string circuit breakers

### Product features

- PV panel connector to be screwed in directly or fastening with the included plastic locknut
- Internal plug connector diameter 2.5mm, flush connector pin
- Installation hole: drilling diameter 12mm
- Other types of connection on request

### Suitable connectors

- EPIC® SOLAR 4
- EPIC® SOLAR 4 THIN
- EPIC® SOLAR 4Plus
- EPIC® SOLAR 4 Splitter

### Technical data

ETIM 5.0 Class-ID: EC002640 ETIM 5.0 Class-Description: I/O connector	<b>Contact resistance</b> < 0.5 mOhm
<b>Rated voltage (V)</b> 1000 V AC/DC	<b>Protection rating</b> IP 67
<b>Rated impulse voltage</b> 8 kV	<b>Cycle of mechanical operation</b> 100
<b>Rated current (A)</b> 30 A	<b>Protection class</b> II
<b>Degree of soiling</b> 3	<b>Temperature range</b> -40°C ... +105°C

Article number	Article designation	PU
<b>EPIC® SOLAR 4 built in socket with counter nut</b>		
44428222	EPIC® SOLAR 4 AD M Pin 2.5	100
44428223	EPIC® SOLAR 4 AD F Pin 2.5	100

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