

# Photovoltaic connector - PV-FT-C4M-HSG - 1133365


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Photovoltaic connector, Range of articles: SUNCLIX, Photovoltaic connector, housing material: PPE, color: black, number of positions: 1, min. conductor cross section: 2.5 mm<sup>2</sup>, max. conductor cross section: 6 mm<sup>2</sup>, nom. voltage: 1500 V, rated current: 26 A, Connection method: Crimp, Type of contact: Plug



## Key Commercial Data

Packing unit	50 pc
Minimum order quantity	50 pc
GTIN	 4 063151 060695
GTIN	4063151060695
Weight per Piece (excluding packing)	7.950 g

## Technical data

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (assembly)	-25 °C ... 50 °C

### General

Standards/regulations	IEC 62852:2014/AMD1:2020 in progress
Design	Plug
Insertion force	< 45 N ±10 N
Insertion/withdrawal cycles	100
Degree of pollution	2
Degree of protection	IP66 / IP68 (2m / 24h)
Number of positions	1
Rated surge voltage (III/3)	16 kV
pluggable	Yes
Tightening torque enclosure attachment	2 Nm ±0.2 Nm
Connection cross-section AWG (min.)	14
Connection cross-section AWG (max.)	10

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## Technical data

### General

Rated voltage	1500 V
Rated current (2.5 mm <sup>2</sup> )	26 A
Rated current (4.0 mm <sup>2</sup> )	32 A
Rated current (6.0 mm <sup>2</sup> )	38 A
Protection class	II

### Material

Color	black
Cable gland material	PA

### Connection data

Connection method	Crimp
Stripping length	8 mm
Type of contact	Plug

### Standards and Regulations

Standards/specifications	IEC 62852:2014/AMD1:2020 in progress
Flammability rating according to UL 94	V0
Safety note	<ul style="list-style-type: none"> <li>• WARNING: Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective products immediately. Replace damaged products. Repairs are not possible.</li> </ul>
	<ul style="list-style-type: none"> <li>• WARNING: Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product.</li> </ul>
	<p>WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.</p>
	<ul style="list-style-type: none"> <li>• The products are suitable for applications in plant, controller, and electrical device engineering.</li> </ul>
	<ul style="list-style-type: none"> <li>• Assembled products may not be manipulated or improperly opened.</li> </ul>
	<ul style="list-style-type: none"> <li>• Only use mating connectors that are specified in the technical data of the standards listed (e.g. the ones listed in the product accessories online at <a href="https://www.phoenixcontact.com/products">phoenixcontact.com/products</a>).</li> </ul>
	<ul style="list-style-type: none"> <li>• When using the product in direct connection with third-party manufacturers, the user is responsible.</li> </ul>
	<ul style="list-style-type: none"> <li>• For operating voltages &gt; 50 V AC, conductive connector housings must be grounded</li> </ul>
	<ul style="list-style-type: none"> <li>• Ensure that the protective or functional ground has been properly connected.</li> </ul>
	<ul style="list-style-type: none"> <li>• Observe the corresponding technical data. You will find information:                             <ul style="list-style-type: none"> <li>o On the product</li> <li>o On the packing label</li> <li>o In the supplied documentation</li> <li>o Online at <a href="https://www.phoenixcontact.com/products">phoenixcontact.com/products</a> under the product</li> </ul> </li> </ul>

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## Technical data

### Standards and Regulations

	<ul style="list-style-type: none"> <li>The installation notes/Design In documents online on the download page at phoenixcontact.com/products must be observed for this product.</li> </ul>
	<ul style="list-style-type: none"> <li>Use a protective cap to protect connectors that are not in use. The suitable accessories are available online in the accessory section of the product at phoenixcontact.com/products</li> </ul>
	<ul style="list-style-type: none"> <li>The connector warms up in normal operation. Depending on the ambient conditions, the surface of the connector can continue to warm up. In this case, the user is responsible for posting warnings (e.g. DIN EN ISO 13732-1:2008-12).</li> </ul>
	<ul style="list-style-type: none"> <li>Operate the connector only when it is fully plugged in and interlocked.</li> </ul>
	<ul style="list-style-type: none"> <li>Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards.</li> </ul>
	<ul style="list-style-type: none"> <li>Observe the minimum bending radius of the cable. Lay the cable without twisting it.</li> </ul>

## Classifications

eCl@ss

eCl@ss 10.0.1	27440107
eCl@ss 11.0	27440107
eCl@ss 9.0	27440107

## Accessories

### Accessories

#### Crimping tool

Crimping pliers - CRIMPFOX-P SR 6 - 1212755



Crimping pliers, for SUNCLIX solar crimp connectors 2.5 ... 6 mm<sup>2</sup>, unlockable pressure lock, precise parallel crimping, lateral entry, B crimp, incl. positioning tool

## Photovoltaic connector

Screw connection - PV-FT-C-WALLMOUNT BK - 1146092



Photovoltaic connector, Range of articles: SUNCLIX, Screw connection, number of positions: 0

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### Accessories

#### Protective cap - PV-C PROTECTION CAP - 1785430



Photovoltaic connector, Range of articles: SUNCLIX, Protective cap, color: black, self-sealing, without interlock, set consisting of: 1 protective cap for connector side and 1 protective cap for coupling side

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#### Crimp contact - PV-C3M-C-6-R3000 - 1050766



Photovoltaic connector, Range of articles: PV-CF-C, Crimp contact, color: black, number of positions: 1, min. conductor cross section: 6 mm<sup>2</sup>, max. conductor cross section: 6 mm<sup>2</sup>, Connection method: Crimp, Type of contact: Pin

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#### Crimp contact - PV-C3M-C-2,5-4-R3000 - 1050768



Photovoltaic connector, Range of articles: PV-CF-C, Crimp contact, color: black, number of positions: 1, min. conductor cross section: 2.5 mm<sup>2</sup>, max. conductor cross section: 4 mm<sup>2</sup>, rated current: 27 A, Connection method: Crimp, Type of contact: Pin