

## Photovoltaic connector - PV-C1M-C-HSG - 1050770

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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>, rated voltage: 1500 V DC, rated current: 40 A, Connection method: Crimp, Type of contact: Pin, min. cable diameter: 5 mm, max. cable diameter: 8 mm

### Your advantages

- ✓ Crimp connection technology for automated assembly processes
- ✓ High yield, thanks to silver-plated contacts
- ✓ International approvals in accordance with IEC and UL enable worldwide use
- ✓ Unique SUNCLIX pin connector pattern



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	 4 0 5 5 6 2 6 6 7 0 2 1 8
GTIN	4055626670218
Custom tariff number	85366990
Country of origin	India

### Technical data

#### Item properties

Range of articles	Sunclix
Brief article description	Photovoltaic connector
Product feature	DC connector, 1-pos., pin (-)
Color	black
Connection method	Crimp

# Photovoltaic connector - PV-C1M-C-HSG - 1050770

## Technical data

### Item properties

Type of contact	Pin
Number of positions	1

### Product dimensions

Width	20 mm
Height	20 mm
Length	75.6 mm

Rated current	40 A (in accordance with IEC 62852:2014/AMD1:2020)
	34 A (in accordance with IEC 62852:2014/AMD1:2020)
	27 A (in accordance with IEC 62852:2014/AMD1:2020)
	50 A (in accordance with UL 6703)
	35 A (in accordance with UL 6703)
Rated voltage	30 A (in accordance with UL 6703)
	1500 V DCII 2 (in accordance with IEC 62852:2014/AMD1:2020)
	1500 V DC (in accordance with UL 6703)
Protection class	II

### Connection data

Min. wire cross section	2.5 mm <sup>2</sup>
Max. wire cross section	6 mm <sup>2</sup>
Min. wire cross section	14 AWG
Max. wire cross section	10 AWG
Cable diameter	5 mm ... 8 mm
Stripping length of the individual wire	9 mm -1 mm
Torque	max. 3.1 Nm ±0.1 Nm (Cable gland, depending on cable type and outside cable diameter)

### Environmental data

Ambient temperature (operation)	-40 °C ... 85 °C (dependent on the derating curve)
Ambient temperature (assembly)	-5 °C ... 50 °C
Limiting temperatures_GRP	105.00 °C

### Mechanical tests

Insertion force	45 N ±10 N
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### Service life tests

Degree of protection	IP66 / IP68 (2 m / 24 h) (plugged in)
Insertion/withdrawal cycles	100

Contact material	Cu alloy silver-plated
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# Photovoltaic connector - PV-C1M-C-HSG - 1050770

## Technical data

RTI	105 °C Housing
Contact surface material	Ag
Contact material	Cu
Material	Housing

## Detail specification

Detail specification	IEC 62852
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## Classifications

### eCl@ss

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

### ETIM

ETIM 7.0	EC002635
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## Approvals


### Approvals

#### Approvals

UL Recognized

#### Ex Approvals

## Approval details

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E477377-20211118
Nominal voltage UN	1500 V		
Nominal current IN	50 A		
mm <sup>2</sup> /AWG/kcmil	14-10		

## Photovoltaic connector - PV-C1M-C-HSG - 1050770

### 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

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### Panel feed-through

Device connector, front mounting - PV-C3M-C-6-R3000 - 1050766



Panel feed-through, Range of articles: Sunclix, Device connector, front mounting, 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

Device connector, front mounting - PV-C3M-C-2,5-4-R3000 - 1050768



Panel feed-through, Range of articles: Sunclix, Device connector, front mounting, 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

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### Photovoltaic connector

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

## Photovoltaic connector - PV-C1M-C-HSG - 1050770

### Accessories

Contact removal tool - PV-A-C-DC-TOOL - 1069522

Photovoltaic connector, Range of articles: Sunclix, Contact removal tool

