

Photovoltaic connector - PV-C1F-C-HSG - 1050771

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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 mm², max. conductor cross section: 6 mm², rated voltage: 1500 V DC, rated current: 40 A, Connection method: Crimp, Type of contact: Socket, 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 6 9 6 3 2
GTIN	4055626669632
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., socket (+)
Color	black
Connection method	Crimp

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Technical data

Item properties

Type of contact	Socket
Number of positions	1

Product dimensions

Width	20 mm
Height	20 mm
Length	72.8 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)
	30 A (in accordance with UL 6703)
Rated voltage	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 ²
Max. wire cross section	6 mm ²
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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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		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E477377-20211118
Nominal voltage UN	1500 V		
Nominal current IN	50 A		
mm²/AWG/kcmil	14-10		

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Accessories

Accessories

Crimping tool

Crimping pliers - CRIMPFOX-P SR 6 - 1212755



Crimping pliers, for SUNCLIX solar crimp connectors 2.5 ... 6 mm², unlockable pressure lock, precise parallel crimping, lateral entry, B crimp, incl. positioning tool

Panel feed-through

Device connector, front mounting - PV-C3F-C-6-R3000 - 1050767



Panel feed-through, Range of articles: Sunclix, Device connector, front mounting, color: black, number of positions: 1, min. conductor cross section: 6 mm², max. conductor cross section: 6 mm², Connection method: Crimp, Type of contact: Socket

Device connector, front mounting - PV-C3F-C-2,5-4-R3000 - 1050769



Panel feed-through, Range of articles: Sunclix, Device connector, front mounting, color: black, number of positions: 1, min. conductor cross section: 2.5 mm², max. conductor cross section: 4 mm², rated current: 27 A, Connection method: Crimp, Type of contact: Socket

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

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Accessories

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



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

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