

Connector - PV-CM-S 2,5-6 (-) - 1774687


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Photovoltaic connector, Connector, Housing material: PPE, color: black, number of positions: 1, Min. wire cross section: 2.5 mm², Max. conductor cross section: 6 mm², Rated current: 27 A, Connection method: Spring-cage connection, Type of contact: Pin. can only be released using a tool

RoHS

Key Commercial Data

Packing unit	50 pc
Minimum order quantity	50 pc
GTIN	 4 046356 480192
GTIN	4046356480192
Weight per Piece (excluding packing)	13.400 g
Custom tariff number	85359000
Country of origin	Germany

Technical data

Dimensions

External cable diameter	5.5 mm ... 8 mm
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Ambient conditions

Degree of protection (when plugged in)	IP66 / IP68 (2 m / 24 h)
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (assembly)	-25 °C ... 50 °C

General

Design	Pin
Tightening torque nut	2 Nm ±0.1 Nm
Insertion force	45 N ±10 N
Disconnect force	250 N ±50 N
Pull-out force of cable >= disconnect force	> 330 N
Insertion/withdrawal cycles	100
Rated voltage	1100 V

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Technical data

General

Rated current (2.5 mm ²)	27 A
Rated current (4.0 mm ²)	35 A
Rated current (6.0 mm ²)	40 A
Nominal cross section	6 mm ²
Protection class	II

Material

Color	black
Insulating material	mPPE
Contact material	Cu
Contact surface material	Ag
Flammability rating according to UL 94	V0

Connection data

Connection method	Spring-cage connection
Connection capacity	2.5 mm ² ... 6 mm ²
Contact resistance with connected conductor	0.45 mΩ
Stripping length	15 mm
Cable type	H1Z2Z2-K lines

Standards and Regulations

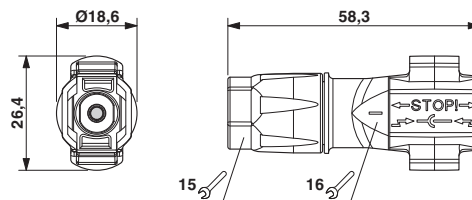
Flammability rating according to UL 94	V0
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Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Dimensional drawing



Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701

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Classifications

eCl@ss

eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440102
eCl@ss 8.0	27440102
eCl@ss 9.0	27440103

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC001753
ETIM 5.0	EC002635
ETIM 6.0	EC002061

UNSPSC

UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121413

Approvals

Approvals


Approvals

TÜV Rheinland / EAC

Ex Approvals

Approval details

TÜV Rheinland	http://www.certipedia.com	R 60126961
Nominal voltage UN	1100 V	
Nominal current IN	27 A	
mm ² /AWG/kcmil	2.5	

EAC		B.01742
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Accessories

Accessories

Protective cap

Protective cap - PV-C PROTECTION CAP - 1785430

Protective cap for SUNCLIX photovoltaic connector; transport protection for the mating face.



Screwdriver tools

Screwdriver - SZF 1-0,6X3,5 - 1204517



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

Sealing plugs

Filler plugs - PV-C PLUG - 1775631



Protective cap for SUNCLIX photovoltaic connector, for IP67 protection in the cable gland.

Stripping tool

Stripping pliers - QUICK WIREFOX 6 SC - 1207637



Stripping tool for short-circuit proof conductors, stripping range: 1.5 up to 6 mm², wire cutting up to 6 mm² cable stopper up to 18 mm²

Stripping tool - WIREFOX-D SR 6-1 - 1212511



Stripping tool, for standard 2.5, 4, and 6 mm² solar cables, with 15 mm length stop, for SUNCLIX field connectors

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Accessories

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