

Connector - PV-CF-S 2,5-6 (+) - 1774674

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Photovoltaic connector, Nominal current: 40 A, Nom. voltage: 1100 V, Connection type: Spring-cage, Color: black, Can only be released using a tool



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
Weight per Piece (excluding packing)	11.2 g
Custom tariff number	85359000
Country of origin	Germany

Technical data

Dimensions

External cable diameter	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	Socket
Tightening torque nut	2 Nm \pm 0.1 Nm
Insertion force	45 N \pm 10 N
Disconnect force	250 N \pm 50 N
Pull-out force of cable \geq disconnect force	> 330 N
Rated voltage	1100 V
Rated current (2.5 mm ²)	27 A
Rated current (4.0 mm ²)	40 A

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Technical data

General

Rated current (6.0 mm ²)	40 A
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 capacity	2.5 mm ² ... 6 mm ²
Contact resistance with connected conductor	0.45 mΩ
Stripping length	15 mm
Cable type	PV1-F cables

Standards and Regulations

Flammability rating according to UL 94	V0
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Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27260704
eCl@ss 7.0	27440402
eCl@ss 8.0	27440102
eCl@ss 9.0	27440107

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC001121
ETIM 5.0	EC002635

UNSPSC

UNSPSC 6.01	30211810
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Classifications

UNSPSC

UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409

Approvals

Approvals

Approvals


ETLus / VDE Zeichengenehmigung / EAC / EAC

Ex Approvals

Approvals submitted

Approval details

ETLus	
mm ² /AWG/kcmil	14
Nominal current I _N	15 A
Nominal voltage U _N	1000 V

VDE Zeichengenehmigung 	
mm ² /AWG/kcmil	2.5
Nominal current I _N	27 A
Nominal voltage U _N	1100 V

EAC

EAC

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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

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Accessories

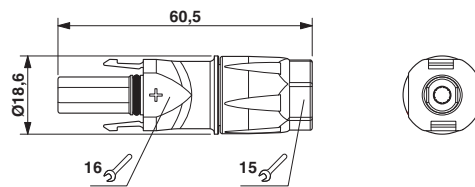
Stripping tool - WIREFOX-D SR 6-1 - 1212511



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

Drawings

Dimensional drawing



Mouser Electronics

Authorized Distributor

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