Connector - PV-CF-S 6-16 (+) - 1790784

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Photovoltaic connector, Nominal current: 65 A, Nom. voltage: 1500 V, Connection type: Spring-cage, Color: black, Can only be released using a tool

RoHS

Key Commercial Data

Packing unit	25 STK
Minimum order quantity	25 STK
GTIN	4 046356 607421
GTIN	4046356607421
Weight per Piece (excluding packing)	21.390 g
Custom tariff number	85359000
Country of origin	Germany

Technical data

Dimensions

External cable diameter	5.5 mm ... 10 mm

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	3 Nm ±0.1 Nm
Insertion force	45 N ±10 N
Disconnect force	250 N ±50 N
Pull-out force of cable >= disconnect force	> 500 N
Rated voltage	1500 V
Rated current (6.0 mm²)	40 A

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Technical data

General

Rated current (10 mm²)	50 A
Rated current (16 mm²)	65 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	6 mm² ... 16 mm²
Contact resistance with connected conductor	0.45 mΩ
Stripping length	18 mm
Cable type	PV1-F cables

Standards and Regulations

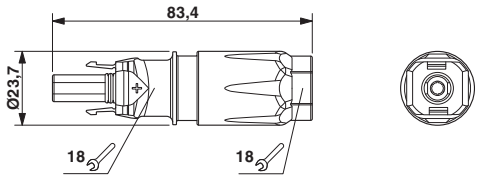
Flammability rating according to UL 94	V0

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
eCl@ss 5.1	27143423
eCl@ss 6.0	27261101
eCl@ss 7.0	27440401

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Classifications

eCl@ss

eCl@ss 8.0	27440102
eCl@ss 9.0	27440103

ETIM

ETIM 4.0	EC002637
ETIM 5.0	EC002635
ETIM 6.0	EC002635

UNSPSC

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

Approvals

Approvals

Approvals

VDE Zeichengenehmigung / EAC

Ex Approvals

Approval details

VDE Zeichengenehmigung		http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx	40031807

mm²/AWG/kcmil	6
Nominal current IN	40 A
Nominal voltage UN	1500 V

EAC		B.01742

Accessories

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Accessories

Protective cap

Protective cap - PV-C PROTECTION CAP - 1785430



Protective cap for SUNCLIX photovoltaic connector; transport protection for the mating face.
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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-HV - 1623478



Protective cap for 1500 V 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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