

## 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
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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	3 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	> 500 N
Rated voltage	1500 V
Rated current (6.0 mm <sup>2</sup> )	40 A

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## Technical data

### General

Rated current (10 mm <sup>2</sup> )	50 A
Rated current (16 mm <sup>2</sup> )	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 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Contact resistance with connected conductor	0.45 mΩ
Stripping length	18 mm
Cable type	PV1-F cables

### Standards and Regulations

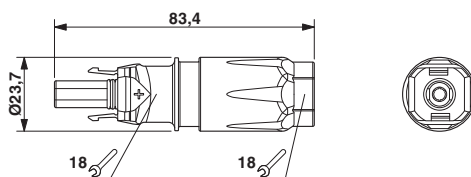
Flammability rating according to UL 94	V0
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### Environmental Product Compliance

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
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


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VDE Zeichengenehmigung / EAC

#### Ex Approvals

### Approval details

VDE Zeichengenehmigung		<a href="http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx">http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx</a>	40031807
mm <sup>2</sup> /AWG/kcmil	6		
Nominal current I <sub>N</sub>	40 A		
Nominal voltage U <sub>N</sub>	1500 V		

EAC		B.01742
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## Accessories

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

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#### 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

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#### Sealing plugs

Filler plugs - PV-C-PLUG-HV - 1623478



Protective cap for 1500 V SUNCLIX photovoltaic connector, for IP67 protection in the cable gland.

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#### Stripping tool

Stripping pliers - QUICK WIREFOX 6 SC - 1207637



Stripping tool for short-circuit proof conductors, stripping range: 1.5 up to 6 mm<sup>2</sup>, wire cutting up to 6 mm<sup>2</sup> cable stopper up to 18 mm<sup>2</sup>