



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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

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## Key Commercial Data

Packing unit	25 STK
GTIN	 4 046356 607421
GTIN	4046356607421

## 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 ±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
Rated current (10 mm²)	50 A
Rated current (16 mm²)	65 A
Nominal cross section	16 mm²
Protection class	II

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## Technical data

### 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

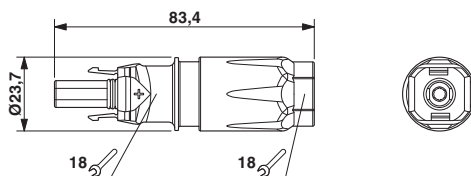
Flammability rating according to UL 94	V0
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### Environmental Product Compliance

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

## Drawings

Dimensional drawing



## Approvals

### Approvals

Approvals


VDE Zeichengenehmigung / EAC / TÜV Rheinland


Ex Approvals

### Approval details

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

### Approvals

VDE Zeichengenehmigung		<a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a>	40031807
Nominal voltage UN		1500 V	
Nominal current IN		40 A	
mm <sup>2</sup> /AWG/kcmil		6	

EAC		B.01742
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TÜV Rheinland	<a href="http://www.certipedia.com">http://www.certipedia.com</a>	R 60126961
Nominal voltage UN	1500 V	

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