

**PV-CM-S 6-16 (-)**

Order No.: 1790797

<http://eshop.phoenixcontact.net/phoenix/treeViewClick.do?UID=1790797>

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

Commercial data	
EAN	 4 046356 607438
Pack	25 pcs.
Customs tariff	85359000
Gross weight in pieces	0.023672 KG
Net weight per piece (exclusive packing)	0.02222 KG

## Product notes

WEEE/RoHS-compliant since:  
07/29/2010

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Technical data	
<b>Technical data</b>	
Rated voltage	1500 V
Rated current (6.0 mm <sup>2</sup> )	40 A
Rated current (10 mm <sup>2</sup> )	50 A
Rated current (16 mm <sup>2</sup> )	65 A

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

#### Material properties

Color	black
Insulating material	mPPE
Contact material	Cu
Contact surface material	Ag
Inflammability class according to UL 94	V0

#### Connection data

Connection method	Spring-cage
Connection capacity	6 mm <sup>2</sup> ... 16 mm <sup>2</sup>
External cable diameter	5.5 mm ... 10 mm
Contact resistance with connected conductor	0.45 mΩ
Stripping length	18 mm
Cable type	PV1-F cables

#### General data

Design	Male connector
Tightening torque nut	3 Nm ±0.1 N
Insertion force	45 N ±10 N
Disconnect force	250 N ±50 N
Pull-out force of cable >= disconnect force	> 500 N

#### Certificates / Approvals



Certification

VDE Zeichengenehmigung

Certifications applied for:

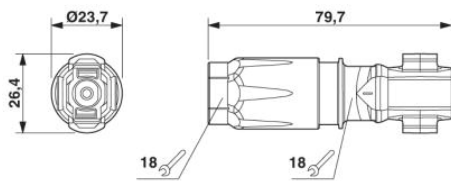
Certification Ex:

### Accessories

Item	Designation	Description
<b>General</b>		
1785430	PV-C PROTECTION CAP	Protective cap for SUNCLIX photovoltaic connector; degree of protection: IP67
1207637	QUICK WIREFOX 6 SC	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>
<b>Tools</b>		
1204517	SZF 1-0,6X3,5	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

### Diagrams/Drawings

Dimensioned drawing



**Address**

PHOENIX CONTACT Ltd  
Halesfield 13  
Telford Shropshire TF7 4PG,GB  
Phone 01952 681 700  
Fax 01952 681 799  
<http://www.phoenixcontact.co.uk>



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