

**PV-C1M-S 2,5-6 (-)**

Order No.: 1789834

<http://eshop.phoenixcontact.net/phoenix/treeViewClick.do?UID=1789834>

Photovoltaic connector, Nominal current: 40 A, Nom. voltage: 1500 V, Connection type: Spring-cage, Color: black, Can only be released using a tool

Commercial data	
EAN	 4 046356 626835
Note	Made-to-order
Pack	50 pcs.
Customs tariff	85359000
Gross weight in pieces	0.02222 KG
Net weight per piece (exclusive packing)	0.02222 KG

## Product notes

WEEE/RoHS-compliant since:  
06/16/2010



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Technical data	
<b>Technical data</b>	
Rated voltage	1500 V
Rated current (2.5 mm <sup>2</sup> )	27 A
Rated current (4.0 mm <sup>2</sup> )	40 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	2.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
External cable diameter	5 mm ... 8 mm
Contact resistance with connected conductor	0.45 mΩ
Stripping length	15 mm
Cable type	PV1-F cables

#### General data

Design	Male connector
Tightening torque nut	2 Nm ±0.1 N
Insertion force	45 N ±10 N
Disconnect force	250 N ±50 N
Pull-out force of cable >= disconnect force	> 330 N

#### Certificates / Approvals



Certification

VDE Zeichengenehmigung

Certifications applied for:

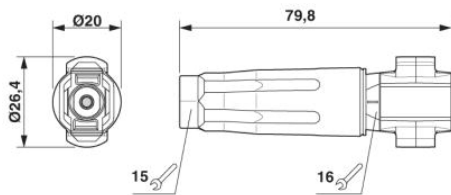
Certification Ex:

### 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
1212511	WIREFOX-D SR 6-1	Stripping tool, for standard 2.5, 4, and 6 mm <sup>2</sup> solar cables, with 15 mm length stop, for SUNCLIX field connectors

### Diagrams/Drawings

Dimensioned drawing



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