

PV-C1F-S 2,5-6 (+)


Item cannot be ordered online at present.

Order No.: 1789821



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

Commercial data

EAN	 4 046356 626828
Note	Made-to-order
Pack	50
Customs tariff	85359000

Product notes

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



Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation at <http://www.download.phoenixcontact.com>. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

Technical data

Rated voltage (III/2)	1500 V
Rated surge voltage (III/2)	16 kV
Rated current (2.5 mm ²)	27 A
Rated current (4.0 mm ²)	40 A

Protection class	II
Degree of protection (when plugged in)	IP65 / IP68 (2m / 24h)
Inflammability class according to UL 94	V0
Ambient temperature (operation)	-40 °C ... 85 °C

Material properties

Color	black
Insulating material	mPPE
Contact material	Cu
Contact surface material	Ag

Connection data

Connection method	Spring-cage conn.
Connection capacity	2.5 mm ² ... 6 mm ²
External cable diameter	5 mm ... 8 mm
Contact resistance with connected conductor	0.45 mΩ
Stripping length	15 mm
Cable type	PV1-F cables
Frequency of connections between conductors of the same cross section	10

General data

Design	Socket
Tightening torque nut	2 Nm
Insertion force	45 N ±10 N
Disconnect force	250 N ±50 N
Pull-out force of cable >= disconnect force	> 330 N
Insertion/withdrawal cycles	10

Certificates

Certification	VDE-PZI
---------------	---------

Accessories

Item	Designation	Description
------	-------------	-------------

General

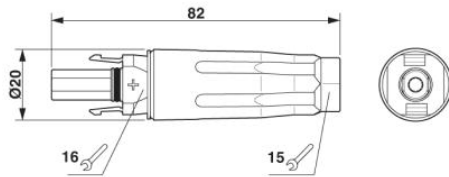
1785430	PV-C PROTECTION CAP	Protective cap for SUNCLIX photovoltaic connector; degree of protection: IP67
1207637	QUICK WIREFOX 6 SC	Stripping tool for short-circuit proof conductors, stripping range: 1.5 up to 6 mm ² , wire cutting up to 6 mm ² cable stopper up to 18 mm ²

Tools

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 ² solar cables, with 15 mm length stop, for SUNCLIX field connectors

Drawings

Dimensioned drawing





Address

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



Phoenix Contact Ltd.
Technical modifications reserved;