


Photovoltaic connector - PV-FT-CF-C-6-130-BU - 1805177

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



RoHS

Key Commercial Data

Packing unit	50 STK
GTIN	 4 046356 671781
GTIN	4046356671781

Technical data

Dimensions

Fixed cable length	130 mm
External cable diameter	5.4 mm ±0.15 mm

Ambient conditions

Degree of protection (when plugged in)	IP66 / IP68 (2 m / 24 h)
Degree of protection (not plugged in)	IP65
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (assembly)	-25 °C ... 50 °C

General

Design	Socket
Tightening torque nut	1.8 Nm ±0.1 Nm
Insertion force	45 N ±10 N
Disconnect force	250 N ±50 N
Pull-out force of cable >= disconnect force	> 80 N
Rated voltage	1500 V
Rated current (6.0 mm ²)	40 A
Nominal cross section	6 mm ²
Protection class	II

Photovoltaic connector - PV-FT-CF-C-6-130-BU - 1805177

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	Crimp
Connection capacity	6 mm ²
Contact resistance with connected conductor	0.45 mΩ
Cable type	S03

Conductor

Outer sheath, material	PE-X
External sheath, color	blue

Standards and Regulations

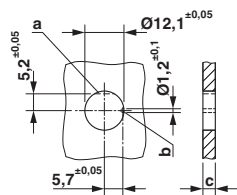
Flammability rating according to UL 94	V0
--	----

Environmental Product Compliance

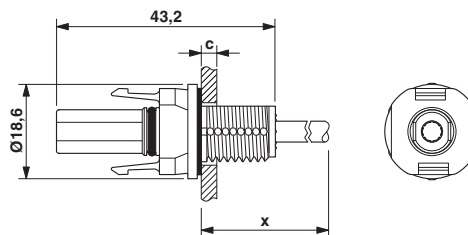
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Dimensional drawing



Dimensional drawing



a: anti-rotation protection

b: coding

c: panel thickness - plastic: 2 - 6 mm; metal: 2 - 5 mm

Dimension x = cable length

c: panel thickness - plastic: 2 - 6 mm; metal: 2 - 5 mm

Approvals

Approvals

Approvals


VDE Zeichengenehmigung / EAC / TÜV Rheinland


Photovoltaic connector - PV-FT-CF-C-6-130-BU - 1805177

Approvals

Ex Approvals

Approval details

VDE Zeichengenehmigung		http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40031807
Nominal voltage UN		1500 V	
Nominal current IN		40 A	
mm ² /AWG/kcmil		6.0	

EAC		B.01742
-----	---	---------

TÜV Rheinland	http://www.certipedia.com	R 60126961
Nominal voltage UN	1500 V	

Phoenix Contact 2018 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>