

Photovoltaic connector - PV-FT-CM-C-4-130-RD - 1805164

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>)



Photovoltaic connector, Photovoltaic connector, housing material: PPE, color: black, min. conductor cross section: 4 mm², Connection method: Crimp, Type of contact: Pin, cable length: 130. can only be released using a tool

RoHS

Key Commercial Data

Packing unit	50 pc
GTIN	
GTIN	4046356671446

Technical data

Dimensions

Fixed cable length	130 mm
External cable diameter	4.6 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	Pin
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 (4.0 mm ²)	35 A
Nominal cross section	4 mm ²
Protection class	II

Technical data

Color	black
Insulating material	mPPE
Contact material	Cu
Contact surface material	Ag
Flammability rating according to UL 94	V0

Connection method	Crimp
Connection capacity	4 mm²
Contact resistance with connected conductor	0.45 mΩ
Cable type	S02

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

Halogen-free	yes
Flammability rating according to UL 94	V0

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

Technical drawing of a mechanical part. The part is a square with rounded corners and a central circular hole. Dimensions and tolerances are as follows:

- Central hole diameter: $\varnothing 12,1^{+0,05}$
- Distance from center to the outer edge (radius): $5,2^{+0,05}$
- Distance from center to the inner edge of the rounded corner: $5,7^{+0,05}$
- Distance from the center to the top edge of the part: $\varnothing 1,2^{+0,1}$
- Section line 'a-a' is shown across the top.
- Section line 'b-b' is shown across the bottom.
- Section line 'c-c' is shown on the right side.

Technical drawing of the 1000 Series Ball Valve. The front view (left) shows a square body with a central circular port. Dimensions are 18,6 (width) and 26,4 (height). The side view (right) shows the valve's profile with a threaded stem. Dimensions include 41,6 (total length), 'c' (thread length), and 'x' (distance from stem to body). A warning label on the side reads: "STOP! DO NOT DISCONNECT UNDER LOAD".

Approvals

Approvals

06/01/2019 Page 2 / 3

Photovoltaic connector - PV-FT-CM-C-4-130-RD - 1805164

Approvals

Ex Approvals

Approval details

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

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

Phoenix Contact 2019 © - 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>