

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

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



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	14.8 g
Custom tariff number	85359000
Country of origin	Germany

Technical data

Dimensions

Fixed cable length	130 mm
External cable diameter	5.4 mm \pm 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 \pm 0.1 Nm
Insertion force	45 N \pm 10 N
Disconnect force	250 N \pm 50 N
Pull-out force of cable \geq disconnect force	> 80 N
Rated voltage	1500 V
Rated current (6.0 mm ²)	40 A

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Technical data

General

Nominal cross section	6 mm ²
Protection class	II

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
Smallest bending radius, fixed installation	27 mm
Smallest bending radius, movable installation	54 mm

Standards and Regulations

Flammability rating according to UL 94	V0
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Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27260704
eCl@ss 7.0	27440402
eCl@ss 8.0	27440102
eCl@ss 9.0	27440107

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC001121

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Classifications

ETIM

ETIM 5.0	EC002635
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UNSPSC

UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409

Approvals

Approvals


Approvals

VDE Zeichengenehmigung / EAC

Ex Approvals

Approvals submitted

Approval details

VDE Zeichengenehmigung 	
mm ² /AWG/kcmil	6.0
Nominal current I _N	40 A
Nominal voltage U _N	1500 V

EAC

Accessories

Accessories

Flat nut

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Accessories

Nut - PV-FT-C NUT BK - 1775880



Nut for securing SUNCLIX panel feed-throughs to housing. NB: This nut must always be ordered separately.

Protective cap

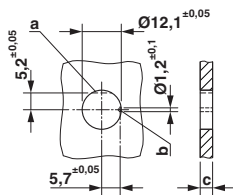
Protective cap - PV-C PROTECTION CAP - 1785430

Protective cap for SUNCLIX photovoltaic connector; transport protection for the mating face.

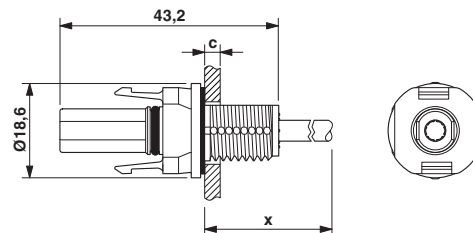


Drawings

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