

Photovoltaic connector - PV-FT-CM-C-6-130-RD - 1805180

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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	50 STK
GTIN	 4 046356 671453

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	Male connector
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
Nominal cross section	6 mm ²
Protection class	II

Material

Color	black
Insulating material	mPPE
Contact material	Cu

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Technical data

Material

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	red
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	27141190
eCl@ss 6.0	27260704
eCl@ss 7.0	27440402
eCl@ss 8.0	27440102

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC001753
ETIM 5.0	EC002635

UNSPSC

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

Approvals

Approvals

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Approvals

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VDE Zeichengenehmigung

Ex Approvals

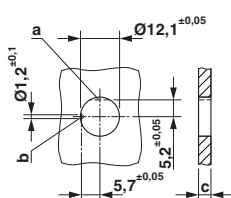
Approvals submitted

Approval details

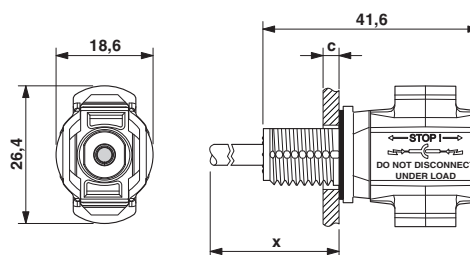
VDE Zeichengenehmigung 	
mm²/AWG/kcmil	6.0
Nominal current I _N	40 A
Nominal voltage U _N	1500 V

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

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