

Photovoltaic connector - PV-FT-CM-C-2,5-130-RD - 1805148

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Photovoltaic connector, Nominal current: 27 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)	12.0 g
Custom tariff number	85359000
Country of origin	Germany

Technical data

Dimensions

Fixed cable length	130 mm
External cable diameter	4.25 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 (2.5 mm ²)	27 A

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Technical data

General

Nominal cross section	2.5 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	2.5 mm ²
Contact resistance with connected conductor	0.45 mΩ
Cable type	S01

Conductor

Outer sheath, material	PE-X
External sheath, color	red
Smallest bending radius, fixed installation	21.25 mm
Smallest bending radius, movable installation	42.5 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
eCl@ss 9.0	27440107

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC001753

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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

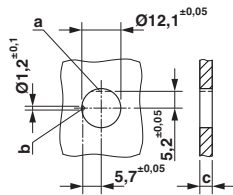
VDE Zeichengenehmigung 	
mm²/AWG/kcmil	2.5
Nominal current I _N	27 A
Nominal voltage U _N	1500 V

EAC

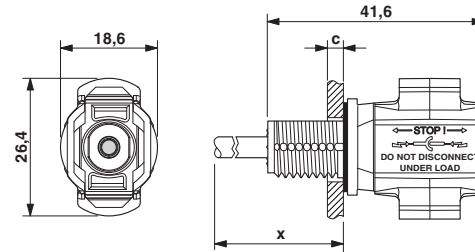
Drawings

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Dimensional drawing



Dimensional drawing



Dimension x = cable length

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