

Photovoltaic connector - PV-FT-C2M-C-2,5-85-RD-FLC - 1463063


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Photovoltaic connector, nominal current: 27 A, nom. voltage: 1500 V, connection method: Crimp, color: black. can only be released using a tool



Key Commercial Data

Packing unit	200 STK
GTIN	 4 046356 757409
GTIN	4046356757409
Weight per Piece (excluding packing)	22.220 g
Custom tariff number	85359000
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

Dimensions

Fixed cable length	85 mm
External cable diameter	4.25 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

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Technical data

General

Rated voltage	1500 V
Rated current (2.5 mm ²)	27 A
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

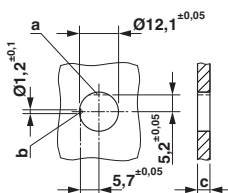
Flammability rating according to UL 94	V0
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Environmental Product Compliance

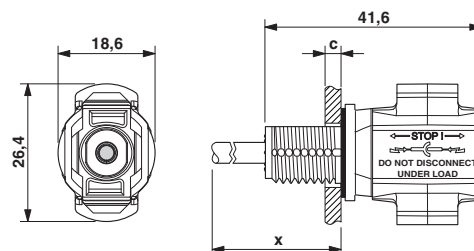
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Dimensional drawing



Dimensional drawing



Dimension x = cable length
 c: panel thickness - plastic: 2 - 6 mm; metal: 2 - 5 mm

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Classifications

eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	21089113
eCl@ss 6.0	21089113
eCl@ss 7.0	21089113
eCl@ss 8.0	27440102
eCl@ss 9.0	27440103

ETIM

ETIM 3.0	EC000104
ETIM 4.0	EC001753
ETIM 5.0	EC002635
ETIM 6.0	EC002061

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	39121413

Approvals


Approvals

Approvals

VDE Zeichengenehmigung / EAC


Ex Approvals

Approval details

VDE Zeichengenehmigung		http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx	40031807
mm ² /AWG/kcmil	2.5		
Nominal current I _N	27 A		
Nominal voltage U _N	1500 V		

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Approvals

EAC		B.01742
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Accessories

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Flat nut

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.

