

Photovoltaic connector - PV-FT-CM-C-6-500-RD - 1623390

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Photovoltaic connector, nominal current: 40 A, nom. voltage: 1500 V, connection method: Crimp, color: black. can only be released using a tool

RoHS

Key Commercial Data

Packing unit	50 STK
Minimum order quantity	50 STK
GTIN	 4 055626 139654
GTIN	4055626139654
Weight per Piece (excluding packing)	41.700 g
Custom tariff number	85444290
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

Dimensions

Fixed cable length	500 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	Pin
Tightening torque nut	1.8 Nm $\pm$ 0.1 Nm
Insertion force	45 N $\pm$ 10 N
Disconnect force	250 N $\pm$ 50 N

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Technical data

General

Pull-out force of cable >= 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
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

Standards and Regulations

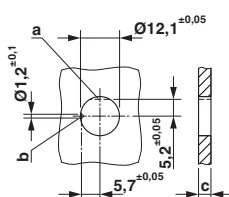
Flammability rating according to UL 94	V0
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Environmental Product Compliance

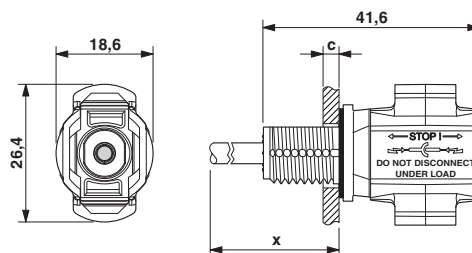
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Dimensional drawing



Dimensional drawing



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

Classifications

eCl@ss

eCl@ss 5.1	27260702
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Classifications

eCl@ss

eCl@ss 8.0	27440102
eCl@ss 9.0	27440102

ETIM

ETIM 5.0	EC002635
ETIM 6.0	EC002635

UNSPSC

UNSPSC 13.2	39121413
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Approvals

Approvals

Approvals

VDE approval of drawings / EAC

Ex Approvals

Approval details

VDE approval of drawings		http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx	40031807
mm²/AWG/kcmil	6.0		
Nominal current I _N	40 A		
Nominal voltage U _N	1500 V		

EAC		B.00767
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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.

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