


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

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Key Commercial Data

Packing unit	50 STK
Minimum order quantity	50 STK
GTIN	 4 055626 139654
GTIN	4055626139654

Technical data

Dimensions

Fixed cable length	500 mm
External cable diameter	5.4 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
Rated voltage	1500 V
Rated current (6.0 mm²)	40 A
Nominal cross section	6 mm²

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Technical data

General

Protection class	II
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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

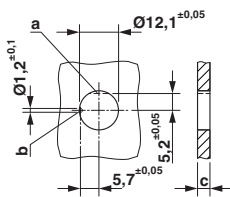
Flammability rating according to UL 94	V0
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Environmental Product Compliance

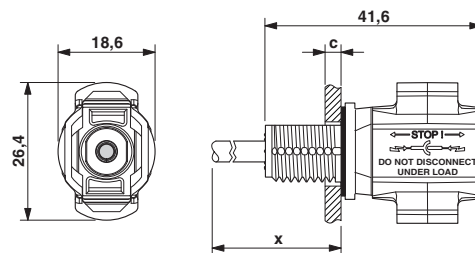
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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

Approvals

Approvals

Approvals


VDE approval of drawings / EAC / TÜV Rheinland


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Approvals

Ex Approvals

Approval details

VDE approval of drawings		http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40031807
Nominal voltage UN	1500 V		
Nominal current IN	40 A		
mm ² /AWG/kcmil	6.0		

EAC		B.00767
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TÜV Rheinland	http://www.certipedia.com	R 60126961
Nominal voltage UN	1500 V	

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