


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

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## Key Commercial Data

Packing unit	50 STK
GTIN	 4 046356 671439
GTIN	4046356671439

## Technical data

### Dimensions

Fixed cable length	130 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
Rated voltage	1500 V
Rated current (2.5 mm²)	27 A
Nominal cross section	2.5 mm²
Protection class	II

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## Technical data

### 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 <sup>2</sup>
Contact resistance with connected conductor	0.45 mΩ
Cable type	S01

### Conductor

Outer sheath, material	PE-X
External sheath, color	red

### Standards and Regulations

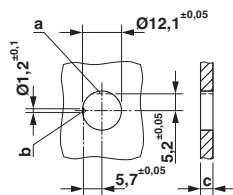
Flammability rating according to UL 94	V0
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### Environmental Product Compliance

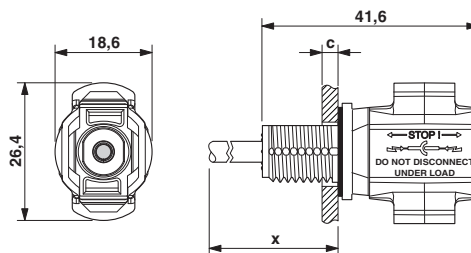
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

Dimensional drawing



Dimensional drawing



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

## Approvals

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VDE Zeichengenehmigung / EAC / TÜV Rheinland


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## Approvals

Ex Approvals

### Approval details

VDE Zeichengenehmigung		<a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a>	40031807
Nominal voltage UN		1500 V	
Nominal current IN		27 A	
mm <sup>2</sup> /AWG/kcmil		2.5	

EAC		B.01742
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TÜV Rheinland	<a href="http://www.certipedia.com">http://www.certipedia.com</a>	R 60126961
Nominal voltage UN	1500 V	

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