

## Crimp contact - PV-FT-CCM-6-R1000 - 1704928


Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Photovoltaic connector, Nom. voltage: 1500 V, Connection type: Crimp



### Key Commercial Data

Packing unit	1 STK
Minimum order quantity	1000 STK
GTIN	 4 046356 746212
GTIN	4046356746212
Custom tariff number	85359000
Country of origin	Germany

### Technical data

#### Ambient conditions

Degree of protection (when plugged in)	IP66 / IP68 (2 m / 24 h)
Degree of protection (not plugged in)	IP20
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (assembly)	-25 °C ... 50 °C

#### General

Design	Male connector
Insertion force	45 N ±10 N
Rated voltage	1500 V
Rated current (6.0 mm <sup>2</sup> )	40 A

#### Material

# Crimp contact - PV-FT-CCM-6-R1000 - 1704928

## Technical data

### Material

Contact material	Cu
Contact surface material	Ag
Flammability rating according to UL 94	V0

### Connection data

Connection method	Crimp
Connection capacity	6 mm <sup>2</sup>
Contact resistance with connected conductor	0.45 mΩ

### Standards and Regulations

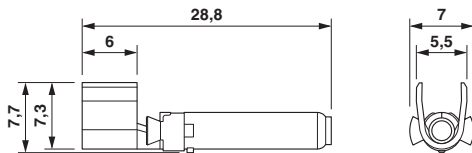
Flammability rating according to UL 94	V0
--	----

### Environmental Product Compliance

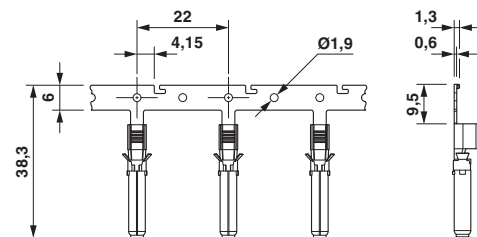
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

Dimensional drawing



Dimensional drawing



## 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	27440204
eCl@ss 9.0	27440204

# Crimp contact - PV-FT-CCM-6-R1000 - 1704928

## Classifications

### ETIM

ETIM 3.0	EC000104
ETIM 4.0	EC000104
ETIM 5.0	EC000796
ETIM 6.0	EC000796

### UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	39121522

## Approvals


### Approvals


#### Approvals

EAC / VDE approval of drawings

#### Ex Approvals

### Approval details

EAC		B.01742
-----	---	---------

VDE approval of drawings		<a href="http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx">http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx</a>	40031807
mm <sup>2</sup> /AWG/kcmil	2.5		
Nominal current I <sub>N</sub>	27 A		
Nominal voltage U <sub>N</sub>	1500 V		

## Crimp contact - PV-FT-CCM-6-R1000 - 1704928

### Accessories

#### Accessories

#### Crimping tool

Crimping pliers - CRIMPFOX-P SR 6 - 1212755



Crimping pliers, for SUNCLIX solar crimp connectors 2.5 ... 6 mm<sup>2</sup>, unlockable pressure lock, precise parallel crimping, lateral entry, B crimp, incl. positioning tool

---

#### 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.

---

#### Photovoltaic connector

Photovoltaic connector - PV-FT-C2M-HSG - 1704925



Photovoltaic device connectors, Nom. voltage: 1500 V, Connection type: Crimp, Color: black, Can only be released using a tool

---

#### Protective cap

Protective cap - PV-C PROTECTION CAP - 1785430

Protective cap for SUNCLIX photovoltaic connector; transport protection for the mating face.



---

#### Universal tools

## Crimp contact - PV-FT-CCM-6-R1000 - 1704928

### Accessories

Tool - UNIFOX SR 6 - 1200137



Mounting pliers for snapping the SUNCLIX crimp contacts into the plastic housing, curved 35°, suitable for a conductor diameter of 4.2 mm ... 6.0 mm.

---

Phoenix Contact 2016 © - all rights reserved  
<http://www.phoenixcontact.com>