

Crimp contact - PV-FT-CCM-2,5-4-R1000 - 1704927


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



Key Commercial Data

Packing unit	1 STK
Minimum order quantity	1000 STK
GTIN	 4 046356 746229
GTIN	4046356746229
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	Pin
Insertion force	45 N ±10 N
Rated voltage	1500 V
Rated current (2.5 mm ²)	27 A
Rated current (4.0 mm ²)	40 A

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Technical data

Material

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 ... 4 mm ²
Contact resistance with connected conductor	0.45 mΩ

Standards and Regulations

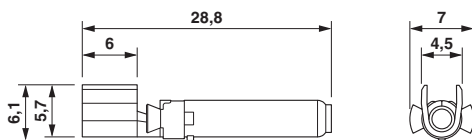
Flammability rating according to UL 94	V0
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Environmental Product Compliance

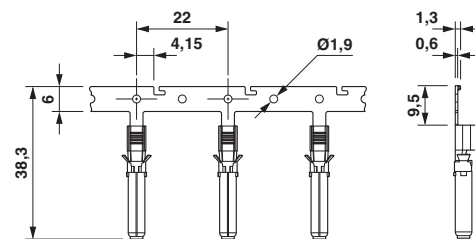
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Dimensional drawing



Dimensional drawing



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

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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
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VDE approval of drawings		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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Accessories

Accessories

Crimping tool

Crimping pliers - CRIMPFOX-P SR 6 - 1212755



Crimping pliers, for SUNCLIX solar crimp connectors 2.5 ... 6 mm², 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 method: 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

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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.