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Photovoltaic connector, Range of articles: PV-FT-CM-C, Photovoltaic connector, color: black, number of positions: 1, min. conductor cross section: 2.5 mm², rated current: 27 A, Connection method: Crimp, Type of contact: Pin, cable length: 235. can only be released using a tool





Key Commercial Data

Packing unit	50 pc
Minimum order quantity	100 pc
GTIN	4 046356 661041
GTIN	4046356661041
Weight per Piece (excluding packing)	15.690 g
Custom tariff number	85359000
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

Dimensions

Fixed cable length	235 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)	IP20
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 (when locked)



Technical data

General

Pull-out force of cable >= disconnect force	> 80 N
Insertion/withdrawal cycles	100
Cable cross section	2.5 mm²
Degree of pollution	3
Degree of protection	IP20
Number of positions	1
Locking type	Latching (can only be released using tool)
Rated voltage	1500 V
Rated current (2.5 mm²)	27 A
Nominal cross section	2.5 mm ²
Protection class	Ш

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 mm²
Contact resistance with connected conductor	0.45 mΩ
Cable type	S01

Conductor

Outer sheath, material	PE-X
External sheath, color	red, similar to RAL 3000
Smallest bending radius, fixed installation	21.25 mm (5x Ø)
Smallest bending radius, movable installation	40.25 mm (10x Ø)

Standards and Regulations

Flame resistance	no
Resistance to oil	no
Halogen-free	yes
Flammability rating according to UL 94	V0
Safety note	WARNING: Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective products immediately. Replace damaged products. Repairs are not possible.
	WARNING: Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product.



Technical data

Standards and Regulations

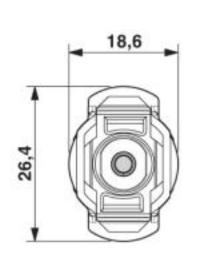
Environmental Product Compliance

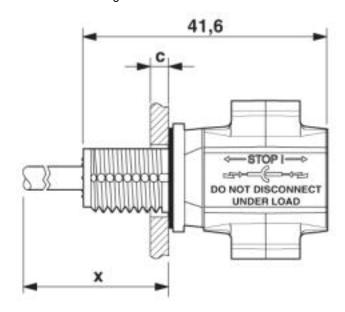
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings



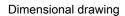
Dimensional drawing

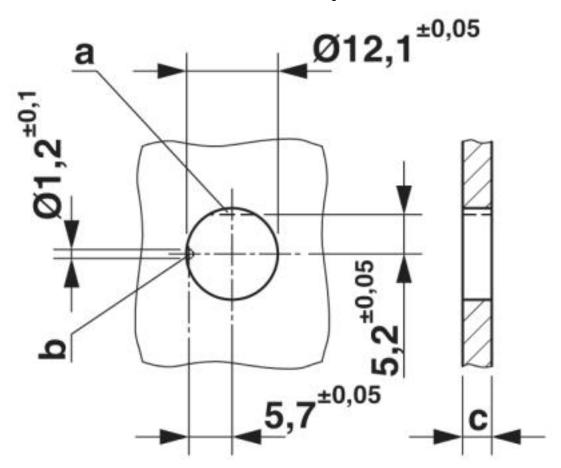




Dimension x = cable length c: panel thickness - plastic: 2 - 6 mm; metal: 2 - 5 mm







Classifications

eCl@ss

eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440102
eCl@ss 8.0	27440102
eCl@ss 9.0	27440103

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC001121
ETIM 5.0	EC002635
ETIM 6.0	EC002061



Classifications

UNSPSC

UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121413
UNSPSC 18.0	39121413
UNSPSC 19.0	39121413
UNSPSC 20.0	39121413
UNSPSC 21.0	39121413

Approvals

Approvals

Approvals

TÜV Rheinland / EAC

Ex Approvals

Approval details

TÜV Rheinland	NOVEMBER OF THE PROPERTY OF TH	http://www.certipedia.com	R 60126961
Nominal voltage UN		1500 V	

EAC ERC	01687
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Accessories

Accessories

Photovoltaic connector



Accessories

Nut - PV-FT-C NUT BK - 1775880



Photovoltaic connector, Range of articles: PV-JB TF, Nut

Protective cap - PV-C PROTECTION CAP - 1785430



Photovoltaic connector, Range of articles: PV-JB TF, Protective cap, color: black, number of positions: 1

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