PV-C2MF-S-2,5-6 SET - Photovoltaic connector

1463055

https://www.phoenixcontact.com/us/products/1463055

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Photovoltaic connector, Range of articles: SUNCLIX, housing material: PPE, color: black, min. conductor cross-section: 2.5 mm^2, max. conductor cross-section: 6 mm^2, Connection method: Spring-cage

Commercial data

Item number	1463055
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	ABLBBS
GTIN	4046356742405
Weight per piece (including packing)	349 g
Weight per piece (excluding packing)	349 g
Country of origin	DE

Technical data

Notes

Safety note

Safety note	• 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.

Product properties

Product type	Connector set
Product family	SUNCLIX

Insulation characteristics

Protection class	II
Degree of pollution	2

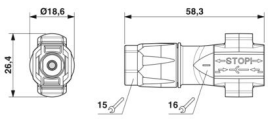
Electrical properties

Rated voltage (II/2)	1000 V
Rated voltage (III/2)	1100 V
Rated surge voltage (II/2)	12 kV
Rated surge voltage (III/2)	12 kV
Rated surge voltage (III/3)	12.8 kV
Contact resistance	0.45 mΩ

Connection data

Tightening torque	2 Nm ±0.1 Nm

Dimensions

Dimensional drawing	
Width	19 mm
Height	26.4 mm
Length	99.2 mm

Material specifications

Color	black
Color of the housing part	black
Flammability rating according to UL 94	V0

Insulating material group	I / CTI 600
Seal material	EPDM
Contact surface	Silver Ag
Housing material	PPE
Cable seal material	EPDM
Contact material	Cu
Contact surface material	Ni/Ag
Contact carrier material	PPE
O-ring material	Silopren
Material for screw connection	PPE

Cable/line

External cable diameter	5.5 mm ... 8 mm
Single wire, cross section	2.5 mm² 6 mm²
Cable pull-out force	> 330 N

Mechanical properties

Mechanical data

Insertion force	45 N ±10 N
Withdrawal force	250 N ±50 N

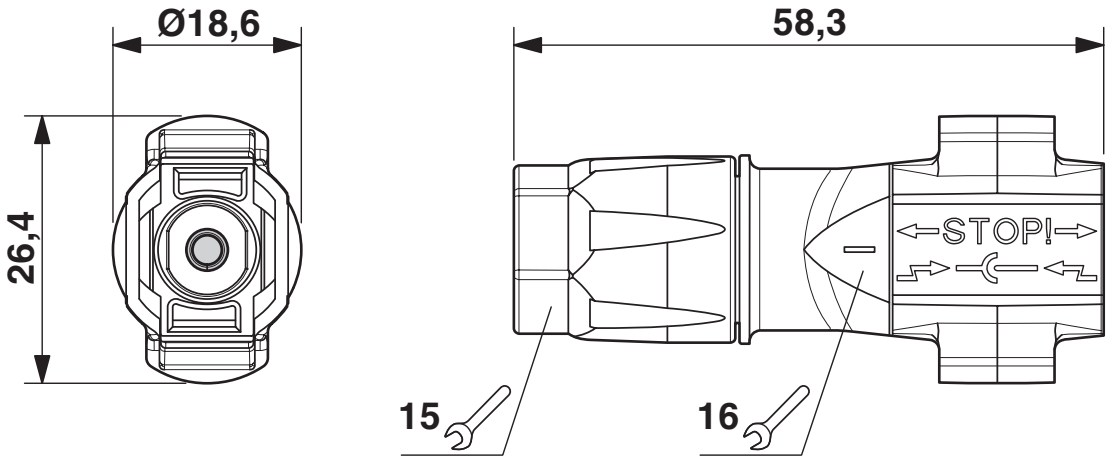
Environmental and real-life conditions

Ambient conditions

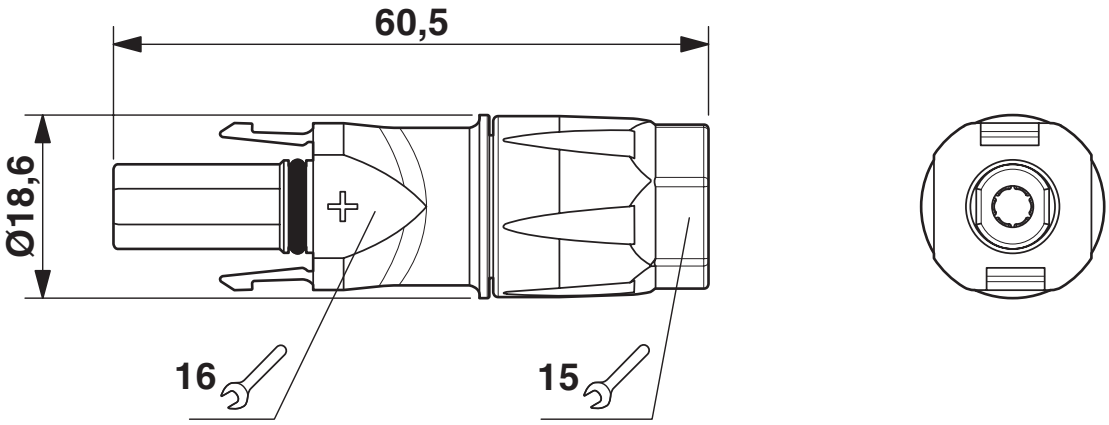
Degree of protection (when plugged in)	IP66/IP68 (2 m / 24 h)
Degree of protection	IP66/IP68 (2 m / 24 h)
Ambient temperature (operation) (male connector/female connector)	-40 °C ... 85 °C
Ambient temperature (assembly)	-25 °C ... 50 °C

Drawings

Dimensional drawing



Dimensional drawing



Classifications

ECLASS

ECLASS-13.0	27440107
ECLASS-15.0	27440107

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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