PV-FT-C2F-HSG - Photovoltaic connector

1704926

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CRIMP



Photovoltaic connector, Range of articles: SUNCLIX, color: black, number of positions: 1, rated voltage: 1000 V DC, rated current: 40 A, Connection method: Crimp

Your advantages

- High yield, thanks to silver-plated contacts
- Patented UNLOCK system allows smaller center distances as well as convenient release
- Unique SUNCLIX pin connector pattern

Commercial data

Item number	1704926
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	AB02
Product key	ABLBAB
GTIN	4046356746236
Weight per piece (including packing)	3.84 g
Weight per piece (excluding packing)	3.294 g
Customs tariff number	85359000
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	Panel feed-through
Product family	SUNCLIX
Number of positions	1

Insulation characteristics

Protection class	II
Degree of pollution	3

Connection data

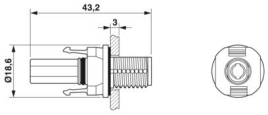
Connection technology

Connection method	Crimp

Conductor connection

Tightening torque	1.8 Nm ±0.1 Nm

Dimensions

Dimensional drawing	
Width	18.6 mm
Height	18.6 mm
Length	43.2 mm

Electrical properties

Rated voltage (III/2)	1000 V
Rated voltage	1000 V DC (II/2) in accordance with IEC 62852:2014/AMD1:2020
Rated surge voltage	16 kV
Rated surge voltage (III/2)	12 kV
Rated current (6.0 mm²)	40 A (in accordance with IEC 62852:2014/AMD1:2020)
Rated current (4.0 mm²)	35 A (in accordance with IEC 62852:2014/AMD1:2020)

Rated current (2.5 mm²)	27 A (in accordance with IEC 62852:2014/AMD1:2020)
Contact resistance	< 0.45 mΩ (depending on the mating connector used)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	100
Insertion force	45 N ±10 N (with installed contacts)
Withdrawal force	250 N ±50 N (when locked)

Material specifications

Color	black
Color of the housing part	black
Material Housing	PPE
Material Contact carrier	PPE
Material Contact	Cu
Material Seal	EPDM
Material Contact surface	Ag
Material	Silopren (O-ring)
Flammability rating according to UL 94	V0
Insulating material group	III
Insulating material	mPPE

Cable/line

Cable pull-out force	> 80 N

Environmental and real-life conditions

Ambient conditions

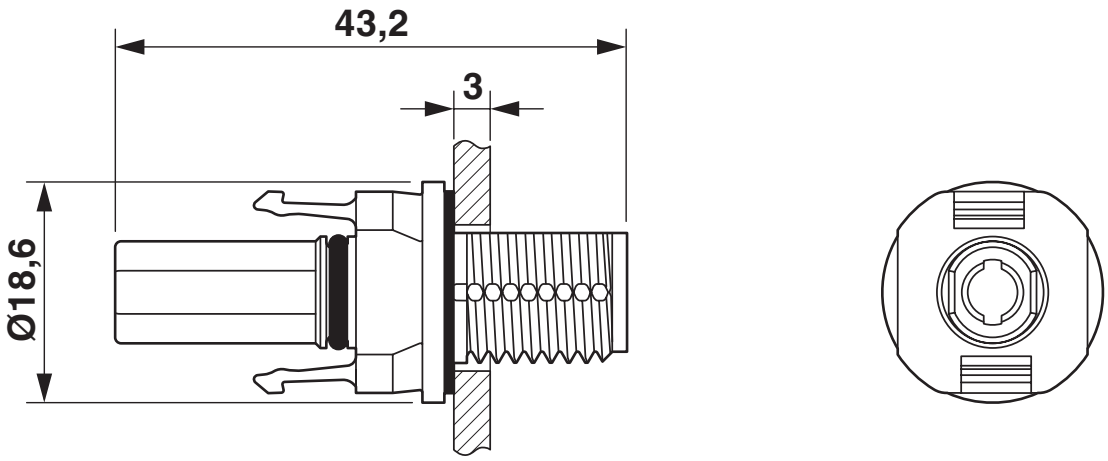
Degree of protection	IP66/IP68 (2 m / 24 h) (plugged in)
	IP20 (Not plugged in)
	IP66/IP68 (2 m / 24 h)
Ambient temperature (operation) (male connector/female connector)	-40 °C ... 85 °C
Ambient temperature (assembly)	-25 °C ... 50 °C

Standards and regulations

Standards/specifications	IEC 62852:2014/AMD1:2020

Drawings

Dimensional drawing



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1704926

TÜV Rheinland
Approval ID: R 60165003-0001

Classifications

ECLASS

ECLASS-13.0	27440107
ECLASS-15.0	27440107

ETIM

ETIM 10.0	EC002635

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.)	Triphenyl phosphate(CAS: 115-86-6)

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