PV-FT-CF-C-2,5-205-BK-FE 2D - Device connector front mounting

1706900

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CRIMP



Device connector front mounting, Range of articles: SUNCLIX, color: black, number of positions: 1, min. conductor cross-section: 2.5 mm^2, rated voltage: 1000 V DC, rated current: 27 A, Connection method: Crimp, cable length: 205

Commercial data

Item number	1706900
Packing unit	50 pc
Minimum order quantity	50 pc
Product key	ABLBAA
GTIN	4046356889476
Weight per piece (including packing)	12.76 g
Weight per piece (excluding packing)	12.655 g
Country of origin	DE

Technical data

Product properties

Product type	Panel feed-through
Product family	SUNCLIX
Number of positions	1

Insulation characteristics

Protection class	II
Degree of pollution	2

Connection data

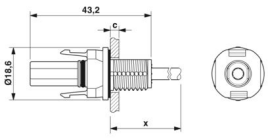
Connection technology

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 in accordance with IEC 62852:2014/AMD1:2020
Rated surge voltage (III/2)	12 kV
Rated current (2.5 mm²)	27 A (in accordance with IEC 62852:2014/AMD1:2020)
Contact resistance	0.45 mΩ
Contact resistance	≤ 0.45 mΩ (when plugged in (without cable))

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	100
Insertion force	45 N ±10 N
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 alloy (silver-plated)
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
Contact surface	Silver Ag
Cable seal material	Elastosil LR 3065/50
Outer sheath, material	PE-X

Cable/line

Cable length	205 mm
Cable type	Stranded hook-up wire
Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	50x0.25
Cable type	Hose line
Cable structure	50 x 0.25 mm Ø litz wires, tin-plated, 1x bunched
External cable diameter	4.25 mm ±0.15 mm
	4.25 mm 4.10 mm 4.40 mm ±0.15 mm
Outer sheath, material	PE-X
External sheath, color	black
Single wire, material	Cu
Single wire, cross section	2.5 mm²
Cable cross section	2.5 mm²
Nominal voltage, cable	1.8 kV DC
Smallest bending radius, fixed installation	21.25 mm (5x Ø)
Smallest bending radius, movable installation	42.5 mm (10x Ø)
Cable pull-out force	> 80 N
Halogen-free	Yes, in accordance with DIN VDE 0472 Part 815 Yes, in accordance with DIN EN 50267-2-1
Resistance to oil	no
Flame resistance	no

Environmental and real-life conditions

Ambient conditions

Degree of protection (when plugged in)	IP66/IP68 (2 m / 24 h)

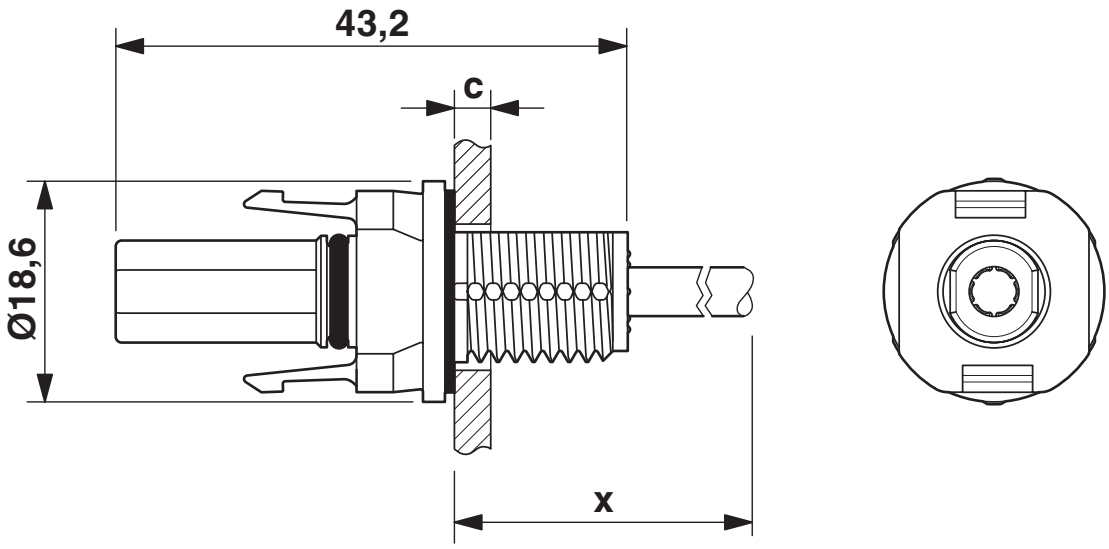
Degree of protection (not plugged in)	IP20
Degree of protection	IP66/IP68 (2 m / 24 h)
Ambient temperature (operation) (male connector/female connector)	-40 °C ... 85 °C
Ambient temperature (assembly)	-25 °C ... 50 °C
Resistance to oil	no

Standards and regulations

Flame resistance	no
Resistance to oil	no
Standards/specifications	IEC 62852:2014/AMD1:2020

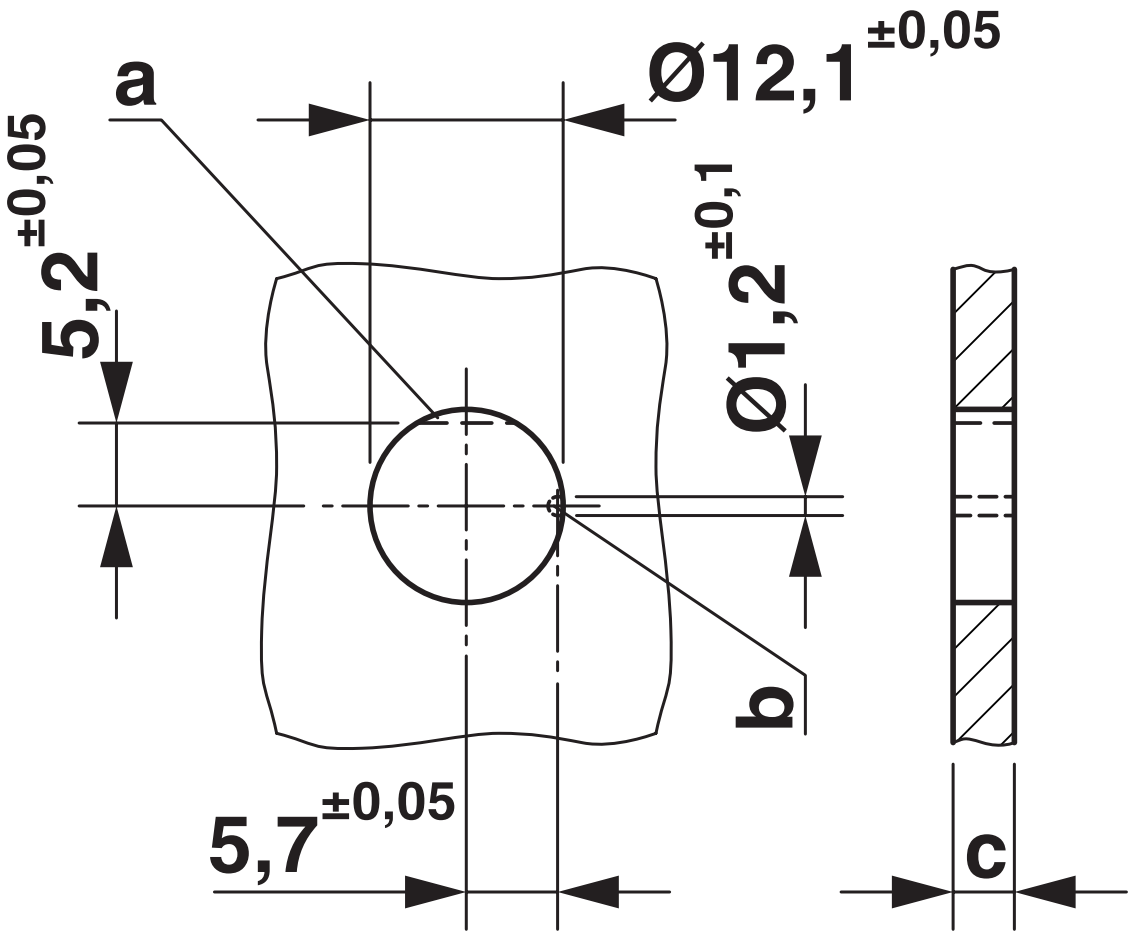
Drawings

Dimensional drawing



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

Dimensional drawing



Approvals

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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)
SCIP	0c530957-fdca-4d92-807c-9f2e4addd26e

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