PV-FT-CF-C-4-100-BU - Device connector front mounting

1702775

https://www.phoenixcontact.com/us/products/1702775

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CRIMP



Device connector front mounting, Range of articles: SUNCLIX, housing material: PPE, color: black, min. conductor cross-section: 4 mm^2, rated current: 40 A, Connection method: Crimp, cable length: 100

Commercial data

Item number	1702775
Packing unit	50 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Product key	ABLBAA
GTIN	4046356617482
Weight per piece (including packing)	2.22 g
Weight per piece (excluding packing)	2.22 g
Country of origin	DE

Technical data

Product properties

Product type	Panel feed-through
Product family	SUNCLIX

Insulation characteristics

Protection class	II
Degree of pollution	2

Connection data

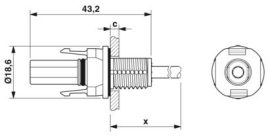
Connection technology

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 (II/2)	1000 V
Rated voltage (III/2)	1500 V
Rated surge voltage (II/2)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (III/3)	16 kV
Rated current (4.0 mm²)	40 A
Contact resistance	0.45 mΩ

Mechanical properties

Mechanical data

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

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
Insulating material	mPPE
Contact surface	Silver Ag
Housing material	PPE
Cable seal material	Elastosil
Contact material	Cu
Contact surface material	Ag
Contact carrier material	PPE
O-ring material	Silopren
Outer sheath, material	PE-X

Cable/line

Cable length	100 mm
Cable type	S02
Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	56x0.3
External cable diameter	4.60 mm ±0.15 mm
Outer sheath, material	PE-X
External sheath, color	blue
Single wire, cross section	4 mm²
Smallest bending radius, fixed installation	23 mm
Smallest bending radius, movable installation	46 mm
Cable pull-out force	> 80 N
Halogen-free	yes

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)	IP65
Ambient temperature (operation) (male connector/female connector)	-40 °C ... 85 °C
Ambient temperature (assembly)	-25 °C ... 50 °C

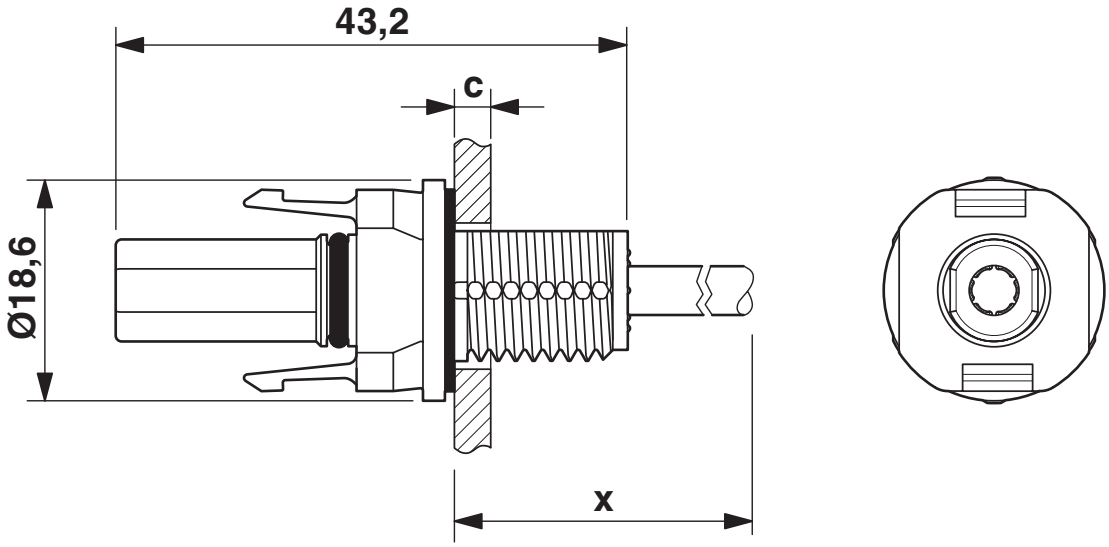
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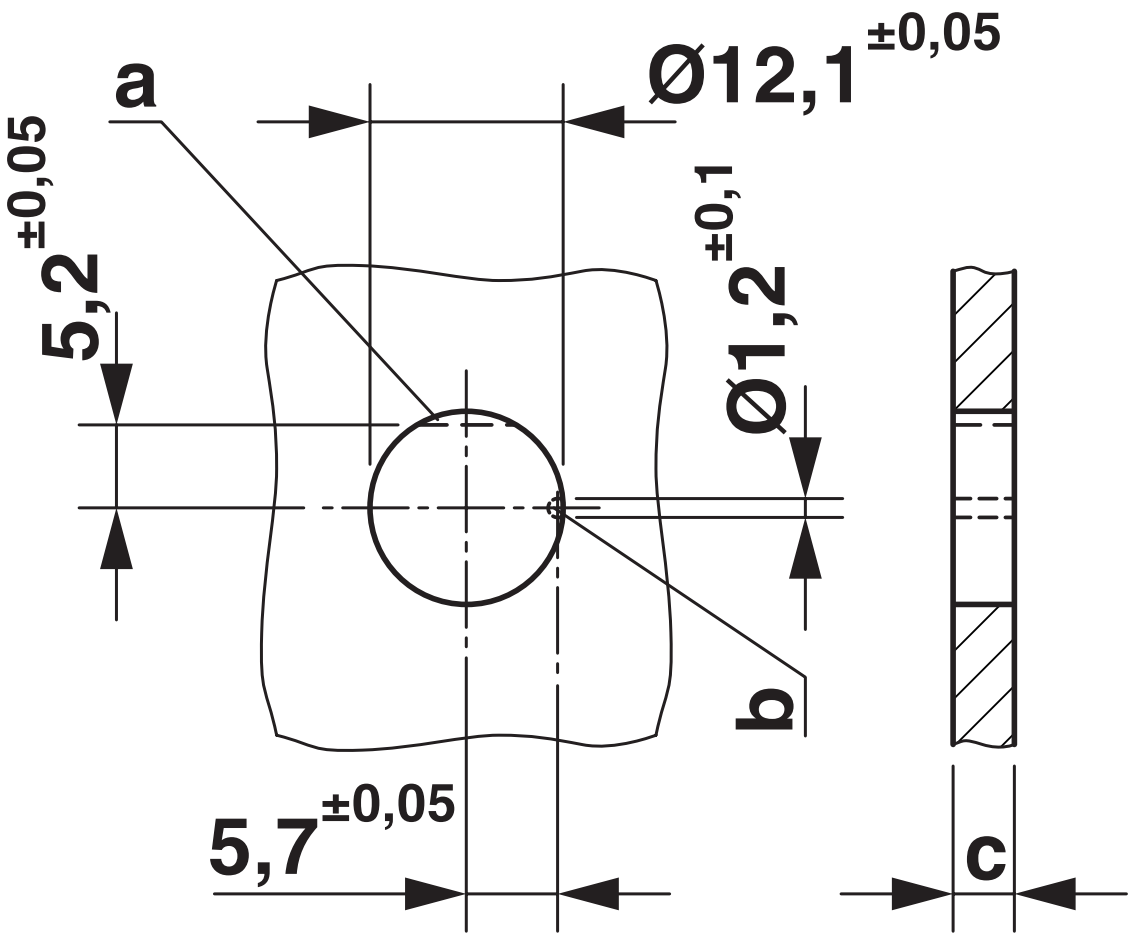
Drawings

Dimensional drawing



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

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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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com