PV-FT-CF-C-4-130-BU - Device connector front mounting

1805151

https://www.phoenixcontact.com/us/products/1805151

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CRIMP



Device connector front mounting, Range of articles: SUNCLIX, color: black, min. conductor cross-section: 4 mm^2, rated current: 35 A, Connection method: Crimp, cable length: 130

Commercial data

Item number	1805151
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	AB02
Product key	ABLBAA
GTIN	4046356671774
Weight per piece (including packing)	12.16 g
Weight per piece (excluding packing)	12.115 g
Customs tariff number	85444290
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.
	• The products are suitable for applications in plant, controller, and electrical device engineering.
	• Only use mating connectors that are specified in the technical data of the standards listed (e.g. the ones listed in the product accessories online at phoenixcontact.com/products).
	• For operating voltages > 50 V AC, conductive connector housings must be grounded
	• Observe the corresponding technical data. You will find information: o On the product o On the packing label o In the supplied documentation o Online at phoenixcontact.com/products under the product
	• Use a protective cap to protect connectors that are not in use. The suitable accessories are available online in the accessory section of the product at phoenixcontact.com/products
	• Operate the connector only when it is fully plugged in and interlocked.
	• Observe the minimum bending radius of the cable. Lay the cable without twisting it.

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

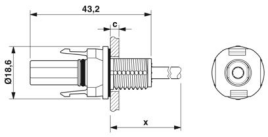
Tightening torque	1.8 Nm ±0.1 Nm

Dimensions

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Dimensional drawing	
Width	18.6 mm
Height	18.6 mm
Length	43.2 mm

Electrical properties

Rated voltage (III/2)	1000 V
Rated surge voltage (III/2)	12 kV
Rated current (4.0 mm²)	35 A
Contact resistance	0.45 mΩ

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	100
Insertion force	45 N ±10 N
Withdrawal force	250 N ±50 N

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 LSR 2660 (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	130 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
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

Standards and regulations

Standards/specifications	IEC 62852:2014/AMD1:2020

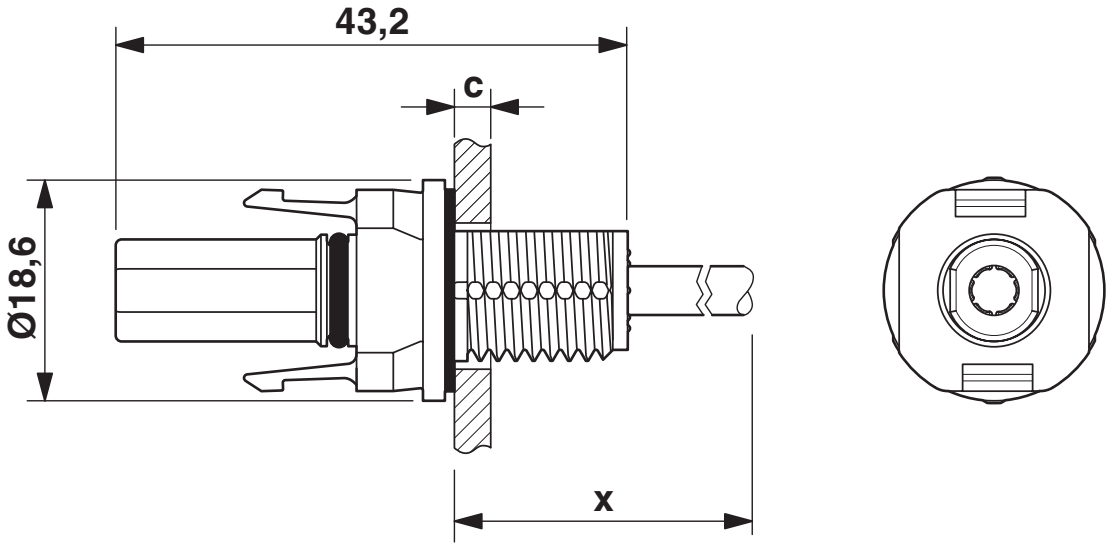
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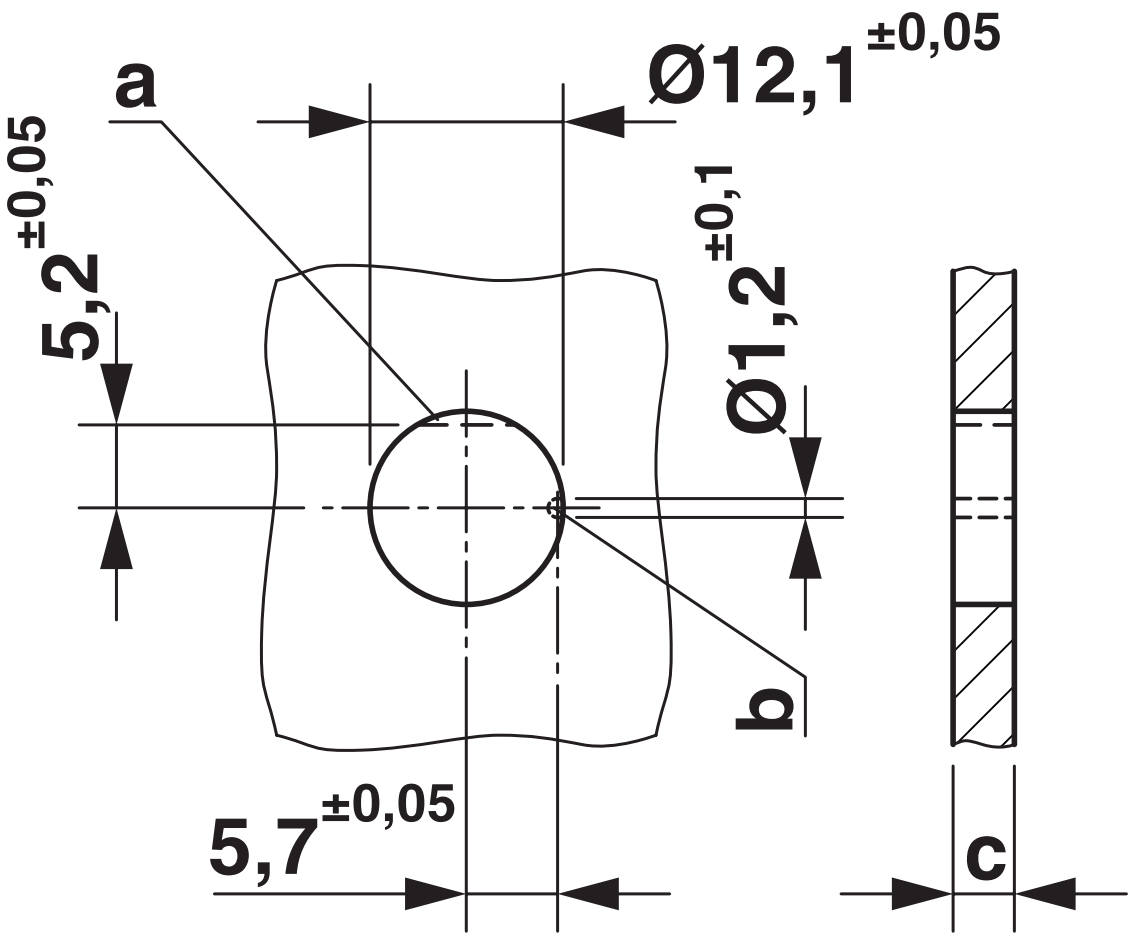
Drawings

Dimensional drawing



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

Dimensional drawing



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1805151

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	5dc3e4bc-d5d7-4574-bc28-0295b054d968

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