

1805151

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

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Device connector front mounting, Range of articles: SUNCLIX, housing material: PPE, color: black, min. conductor cross section: 4 mm<sup>2</sup>, Connection method: Crimp, Contact connection type: Socket, cable length: 130

### Commercial data

Item number	1805151
Packing unit	50 pc
Minimum order quantity	1 pc
Product key	ABLBAA
Catalog page	Page 420 (C-2-2013)
GTIN	4046356671774
Weight per piece (including packing)	12.16 g
Weight per piece (excluding packing)	11 g
Customs tariff number	85444290
Country of origin	DE



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#### Technical data

#### Notes

#### Safety note

Safety note

- WARNING: Commission properly functioning products only.
   The products must be regularly inspected for damage.
   Decommission defective products immediately. Replace damaged products. Repairs are not possible.
- 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.

WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.

- The products are suitable for applications in plant, controller, and electrical device engineering.
- Assembled products may not be manipulated or improperly opened.
- 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).
- When using the product in direct connection with third-party manufacturers, the user is responsible.
- For operating voltages > 50 V AC, conductive connector housings must be grounded
- Ensure that the protective or functional ground has been properly connected.
- 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
- The installation notes/Design In documents online on the download page at phoenixcontact.com/products must be observed for this 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
- The connector warms up in normal operation. Depending on the ambient conditions, the surface of the connector can continue to warm up. In this case, the user is responsible for posting warnings (e.g. DIN EN ISO 13732-1:2008-12).
- Operate the connector only when it is fully plugged in and interlocked.
- Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards.



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	<ul> <li>Observe the minimum bending radius of the cable. Lay the cable without twisting it.</li> </ul>
Product properties	
Product type	Panel feed-through
Product family	SUNCLIX
Insulation characteristics	
Protection class	II
Degree of pollution	2
Connection data	
Conductor connection	
Tightening torque	1.8 Nm ±0.1 Nm
Dimensions	
Dimensional drawing	43.2
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 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	III
Seal material	EPDM
Insulating material	mPPE
Contact surface	Silver Ag



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Cable seal material	Elastosil LR 3065/50
Contact material	Cu
Contact surface material	Ag
Contact carrier material	PPE
O-ring material	Silopren LSR 2660
Housing material	PPE
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

## Mounting

Connection method	Crimp	
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### 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)	-40 °C 85 °C
Ambient temperature (assembly)	-25 °C 50 °C

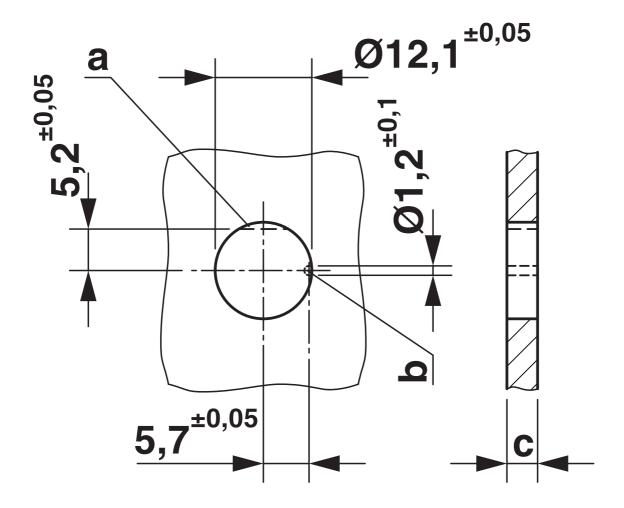


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## Drawings

### Dimensional drawing

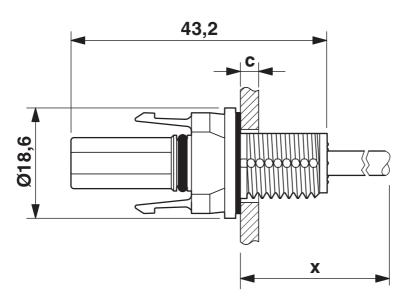


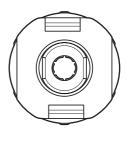


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## Dimensional drawing





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



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## **Approvals**

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



TÜV Rheinland

Approval ID: R 60165003-0001



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## Classifications

UNSPSC 21.0

### **ECLASS**

ECLASS-11.0	27440107
ECLASS-12.0	27440107
ECLASS-13.0	27440107
ETIM	
ETIM 9.0	EC002635
UNSPSC	

39121400



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## Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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