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



1805151

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

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Device connector front mounting, Range of articles: SUNCLIX, housing material: PPE, color: black, min. conductor cross section: 4 mm², Connection method: Crimp, Contact connection type: Socket, cable length: 130

Commercial data

Item number	1805151
Packing unit	50 pc
Minimum order quantity	50 рс
Sales key	AB02
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 an operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicate 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 technica 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 tambient conditions, the surface of the connector can continue twarm 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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Contact surface

	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	
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 surge voltage (III/2)	12 kV
Rated current (4.0 mm²)	35 A
Contact resistance	0.45 mΩ
Aechanical properties	
Insertion force	45 N ±10 N
Withdrawal force	250 N ±50 N
Naterial specifications	
Color	black
Color of the housing part	black
Flammability rating according to UL 94	VO
Insulating material group	III
Seal material	EPDM
Insulating material	mPPE
Contact surface	Silver Ag

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

able length 130 mm able type S02 ructure of individual litz in acc. with VDE 0295 / smallest wire 56x0.3 ameter 4.60 mm ±	
ructure of individual litz in acc. with VDE 0295 / smallest wire 56x0.3 ameter	
ameter	
ternal cable diameter 4.60 mm ±	
	0.15 mm
uter sheath, material PE-X	
ternal sheath, color blue	
ngle wire, cross section 4 mm ²	
able pull-out force > 80 N	
alogen-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)	-40 °C 85 °C
Ambient temperature (assembly)	-25 °C 50 °C



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Classifications

ECLASS

ECLASS-11.0	27440107
ECLASS-12.0	27440107
ECLASS-13.0	27440107

ETIM

	ETIM 9.0	EC002635
UNSPSC		
	UNSPSC 21.0	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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