

1133365

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Device connector front mounting, Range of articles: SUNCLIX, color: black, number of positions: 1, min. conductor cross-section: 2.5 mm², max. conductor cross-section: 6 mm², rated voltage: 1500 V DC, rated current: 38 A, Connection method: Crimp

Your advantages

- · Fast mounting and durable fixing with the patented fast screw connection
- · High yield, thanks to silver-plated contacts
- · Patented UNLOCK system allows smaller center distances as well as convenient release
- Unique SUNCLIX pin connector pattern

Commercial data

Item number	1133365
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	AB02
Product key	ABLBAB
GTIN	4063151060695
Weight per piece (including packing)	8.1 g
Weight per piece (excluding packing)	5.832 g
Customs tariff number	85359000
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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	Observe the minimum bending radius of the cable. Lay the cable without twisting it.
oduct properties	
Product type	Panel feed-through
Product family	SUNCLIX
Number of positions	1
Insulation characteristics	
Protection class	II
Degree of pollution	2
onnection data	
Conductor connection	
Tightening torque	1.8 Nm 2.2 Nm
mensions	
Width	21 mm
Height	27.4 mm
Length	49.2 mm
Hole diameter	12.1 mm
ectrical properties Rated voltage (III/2)	1500 V
Nominal voltage ATD	1500 V DC (III/2.00) in accordance with IEC 62852:2014/AMD1 020
	1500 V DC in accordance with UL 6703
Rated surge voltage	16 kV
Rated surge voltage (III/3)	16 kV
Rated current (6.0 mm²)	38 A (in accordance with IEC 62852:2014/AMD1:2020)
Rated current (4.0 mm²)	32 A (in accordance with IEC 62852:2014/AMD1:2020)
Rated current (2.5 mm²)	26 A (in accordance with IEC 62852:2014/AMD1:2020)
Rated current	50 A (in accordance with UL 6703)
	35 A (in accordance with UL 6703)
	30 A (in accordance with UL 6703)
Contact resistance	< 0.45 m Ω (depending on the mating connector used)
echanical properties	
Mechanical data	
Insertion/withdrawal cycles	100
Insertion force	< 45 N ±10 N (with installed contacts)
aterial specifications	
Color	black
20101	



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Material Seal	EPDM
Material Housing	PPE
Flammability rating according to UL 94	V0
Insulating material group	II
O-ring material	Silopren
Material for screw connection	PA

Cable/line

Single wire, cross section	2.5 mm² 6 mm²
Stripping length of the individual wire	9 mm -1 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP66/IP68 (2 m / 24 h) (plugged in)
	IP20 (Not plugged in)
	IP66/IP68 (2 m / 24 h)
Ambient temperature (operation)	-40 °C 85 °C
Ambient temperature (assembly)	-25 °C 50 °C

Standards and regulations

Standards/specifications IEC 6285	2:2014/AMD1:2020
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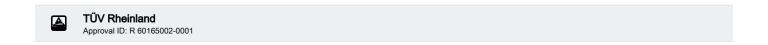
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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1133365

71	UL Recognized Approval ID: E477377-20211103				
		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine					
		1500 V	50 A	14 - 10	-





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Classifications

ECLASS

	ECLASS-13.0	27440107		
	ECLASS-15.0	27440107		
	TIM			
	ETIM 9.0	EC002635		
UNSPSC				
	UNSPSC 21.0	39121400		



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Environmental product compliance

EU RoHS

20 1 10 10				
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)			

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