

1628485

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M23, Device connector front mounting, series: M23 PRO, angled rotatable, shielded: yes, for standard and ONECLICK fast locking system, No. of pos.: 5+PE, contact connection type: Pin, Crimp connection, flange dimensions: 28 mm x 28 mm, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

Your advantages

- · Solutions with cross-manufacturer compatibility for standard and fast locking systems
- · Modern, consistent design for highly convenient operation
- · Crimping connection: vibration- and temperature-resistant assembly
- · All housing can be fitted with pin or socket contacts
- · Safe use in the field, thanks to high degree of protection

Commercial data

Item number	1628485
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB30
Product key	ABRBBM
Catalog page	Page 147 (C-2-2019)
GTIN	4055626622163
Weight per piece (including packing)	138.4 g
Weight per piece (excluding packing)	122.18 g
Customs tariff number	85366990
Country of origin	DE



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Technical data

Notes

Safety note WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property. • 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		
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	warm up. In this case, the user is responsible for posting warnings (e.g. DIN EN ISO 13732-1:2008-12).
Product properties	
Product type	Circular connectors (device side)
Data management status	
Article revision	07
laterial specifications	
Flammability rating according to UL 94	V0
Insulating body	Order information, Order primp contacts 6 v 6 2
Note	Order information: Order crimp contacts 6 x Ø 2 mm separately
Insulation body material	PA 6.6
Insertion/withdrawal cycles	100
Connection method Contact switching type	Crimp connection Pin
Application	Power
Number of positions	6
Connection profile	5+PE
Contact diameter Power contacts	2 mm
Litz wire cross-section Power contacts min.	0.25 mm²
Litz wire cross-section Power contacts max.	4 mm²
Rated current Power contacts	30 A
Note	for max. connection cross section
Rated voltage	630 V
Rated surge voltage	6 kV
Overvoltage category	III
Degree of pollution	3

Housing

Installation height

Housing material	GD-Zn
Flange dimensions	28 mm x 28 mm
Type of locking	for standard and ONECLICK fast locking system
Degree of protection (plugged in)	IP66 / IP68 (2m / 24h) / IP69K
Thread type	M23

3000 m

Environmental and real-life conditions

Ambient conditions	Ambient	conditions
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Degree of protection	IP68



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Ambient temperature (operation)	-40 °C 105 °C (see to derating)
Permanent temperature	125 °C (DIN EN 60512-9-2 / 1000 h)

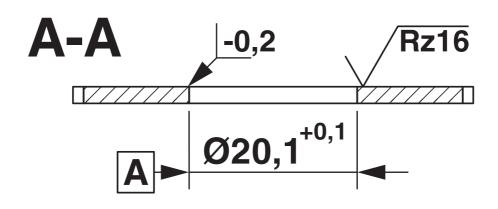


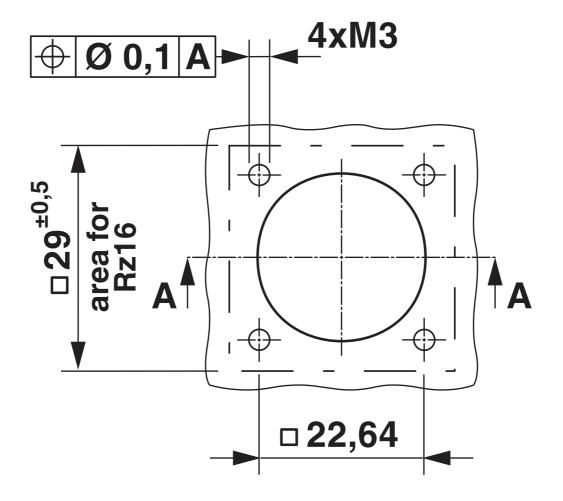
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Drawings

Dimensional drawing



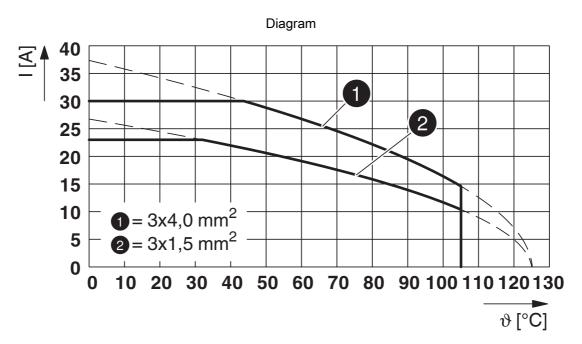


Installation dimensions



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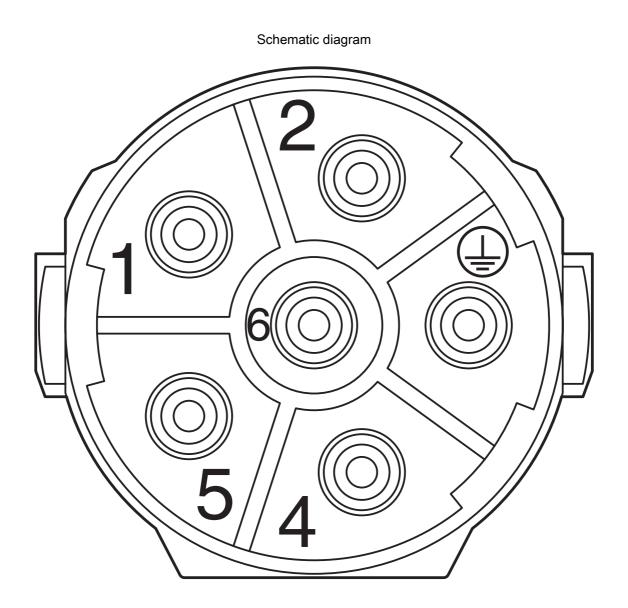


I = current strength, ϑ = ambient temperature, 3 x 30 A (curve 1), 3 x 24 A (curve 2)



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Connector pin assignment



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1628485



UL Listed

Approval ID: E468743-20190627



cUL Listed

Approval ID: E468743-20190627

cULus Listed



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Classifications

UNSPSC 21.0

ECLASS

ECLASS-11.0	27440109
ECLASS-12.0	27440109
ECLASS-13.0	27440109
ETIM	
ETIM 9.0	EC003569
UNSPSC	

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Environmental product compliance

EU RoHS

20 1.01.0	
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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