

1623839

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M23, Cable connector, series: CA, straight, shielded: yes, Screw locking mechanism, No. of pos. : 16+2+FE, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, cable diameter range: 10 mm ... 14.5 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1245001

Your advantages

- · Safe use in the field, thanks to high degree of protection
- · Connector for flexible on-site assembly
- · Consistent EMC protection for reliable transmission of signals
- · Crimping connection: vibration- and temperature-resistant assembly

Commercial data

Item number	1623839
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAEA
Catalog page	Page 87 (C-2-2019)
GTIN	4055626228549
Weight per piece (including packing)	90.5 g
Weight per piece (excluding packing)	87.8 g
Customs tariff number	85366990
Country of origin	DE



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Technical data

Notes

	Order information:	Order crimp contacts 16 x Ø 1 mm, 2 x Ø 1.5 mm, 1 x Ø 1.5 (PE) separately
Pr	oduct properties	
	Product type	Circular connector (cable-side)
	Data management status	
	Article revision	03

Connector

Insulating body

Note	Order information: Order crimp contacts 16x Ø 1 mm, 2x Ø 1.	
Coding	5 mm, 1x Ø 1.5 mm (FE, first) separately	
Coding		
Insulation body material	PA 6.6	
Insertion/withdrawal cycles	100	
Connection method	Crimp connection	
Contact switching type	Pin	
Application	Signal	
Number of positions	19	
Direction of rotation	Standard	
Connection profile	16+2+FE	
Contact diameter Power contacts	1.5 mm	
Litz wire cross-section Power contacts min.	0.08 mm²	
Litz wire cross-section Power contacts max.	1 mm²	
Rated current Power contacts	10 A	
Note	for max. connection cross section	
Rated voltage	48 V AC	
	74 V DC	
Rated surge voltage	1.5 kV	
Overvoltage category	II	
Degree of pollution	3	
Contact diameter Signal contacts	1 mm	
Litz wire cross-section Signal contacts min.	0.08 mm²	
Litz wire cross-section Signal contacts max.	1 mm²	
Nominal current per signal contact	8 A	
Rated voltage Signal contact	48 V AC	
Rated surge voltage	1.5 kV	



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Overvoltage category	III
Degree of pollution	3
Installation height	2000 m
Housing	
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Type of locking	Screw locking mechanism
Pg screw connection	none
Degree of protection (plugged in)	IP67
Thread type	M23
Seal	
External cable diameter	10 mm 14.5 mm
Seal material	NBR

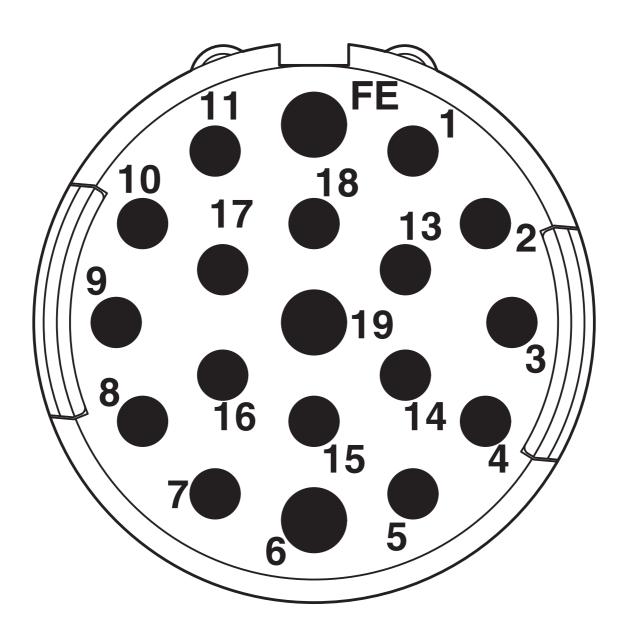


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Drawings

Schematic diagram



Connector pin assignment



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1623839

. 511	cUL Recognized Approval ID: E335019-20	141210			
		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
Power		48 V	6 A	18 - 18	-
Signal		48 V	5 A	18 - 18	-

UL Recognized Approval ID: E335019-2	UL Recognized Approval ID: E335019-20141210			
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
Power	48 V	10 A	18 - 18	-
Signal	48 V	8 A	18 - 18	-

cULus Recognized



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Classifications

UNSPSC 21.0

ECLASS

ECLASS-1	1.0	27440102
ECLASS-1	2.0	27440116
ECLASS-1	3.0	27440116
ETIM		
ETIM 9.0		EC002635
UNSPSC		

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	e6e17a48-1495-4052-b3b1-d5375b716bb8

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