

1624011

https://www.phoenixcontact.com/us/products/1624011

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M23, Coupler connector, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, 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.: 1245046

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	1624011
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAEG
Catalog page	Page 89 (C-2-2019)
GTIN	4055626227832
Weight per piece (including packing)	93.4 g
Weight per piece (excluding packing)	93.4 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	02

Connector

Insulating body

Insulating body		
Note	Order information: Order crimp contacts 16x Ø 1 mm, 2x Ø 1. 5 mm, 1x Ø 1.5 mm (FE, first) separately	
Coding	N	
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
lousing	
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Type of locking	for standard and SPEEDCON interlock
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

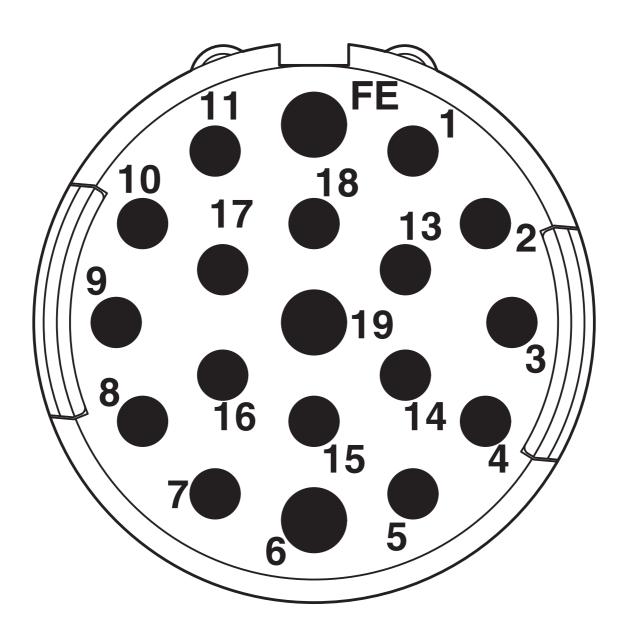


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Drawings

Schematic diagram



Connector pin assignment



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1624011

. 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	0141210			
	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	-

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Classifications

UNSPSC 21.0

ECLASS

27440102
27440116
27440116
EC002635

39121400



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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	555f8189-fbcd-4c29-9018-dd5e69aa7252

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