

CA-12F2N8A8503 - Cable connector



1619618
<https://www.phoenixcontact.com/us/products/1619618>

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M23, Cable connector, series: CA, straight, shielded: yes, Screw locking mechanism, No. of pos. : 12, Direction of rotation: Counter direction, contact connection type: Socket, Crimp connection, cable diameter range: 6 mm ... 10 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243709

Your advantages

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

Commercial data

Item number	1619618
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAEA
Catalog page	Page 110 (C-2-2019)
GTIN	4046356822572
Weight per piece (including packing)	96.1 g
Weight per piece (excluding packing)	87.599 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

Order information:	Order crimp contacts Ø 1 mm separately
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Product properties

Product type	Circular connector (cable-side)
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Connector

Connection 1

Head design	Socket
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Insulating body

Note	Order information: Order crimp contacts Ø 1 mm separately
Coding	N
Insulation body material	PA 6.6
Connection method	Crimp connection
Contact switching type	Socket
Application	Feedback, signal
	Signal
Number of positions	12
Direction of rotation	Counter direction
Connection profile	12
Contact diameter	1 mm
Litz wire cross-section	Signal contacts min. 0.06 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
Overvoltage category	III
Degree of pollution	3

Housing

Thread type	M23
Type of locking	Screw locking mechanism
Pg screw connection	none
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Material for screw connection	CuZn
Degree of protection (plugged in)	IP67

Seal

External cable diameter	6 mm ... 10 mm
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Seal material	FPM
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Environmental and real-life conditions

Ambient conditions	
Ambient temperature (operation)	-40 °C ... 125 °C

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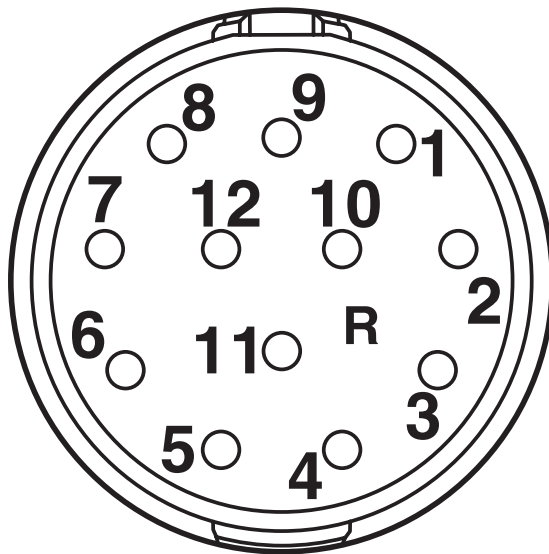
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Drawings

Schematic diagram



Contact chamber numbering (view of plug-in side), socket counter direction

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619618>

cUL Recognized Approval ID: E335019-20141210				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	48 V	6 A	18	-

UL Recognized Approval ID: E335019-20141210				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	48 V	8 A	18	-

cULus Recognized				
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Classifications

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

ETIM

ETIM 9.0	EC002635
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UNSPSC

UNSPSC 21.0	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	a4be9780-e55d-4ebe-aeb5-4e7b375f177e

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