CA-12F2N8A9504 - Coupler connector

1619999

https://www.phoenixcontact.com/us/products/1619999

PHŒNIX CONTACT

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M23, Coupler connector, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 12, Direction of rotation: Counter direction, contact connection type: Socket, 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.: 1243938

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	1619999
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAEG
Catalog page	Page 111 (C-2-2019)
GTIN	4046356819954
Weight per piece (including packing)	90.1 g
Weight per piece (excluding packing)	90.1 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

Product properties

Product type	Circular connector (cable-side)

Data management status

Article revision	05

Connector

Connection 1

Head design	Socket

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 Signal contacts	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

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	FPM

Environmental and real-life conditions

Ambient conditions

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

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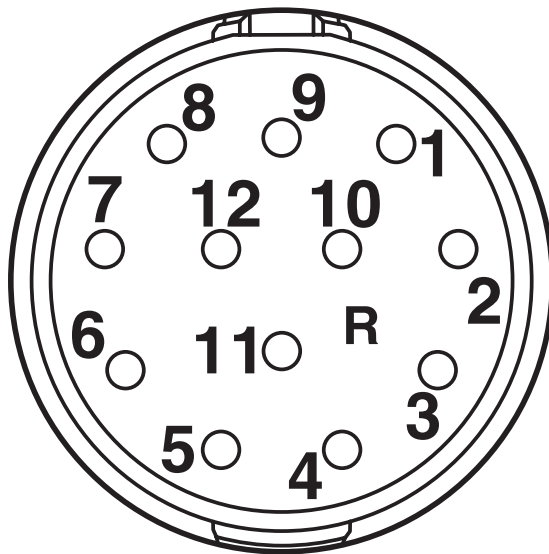
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Drawings

Schematic diagram

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

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Approvals

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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 - 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 - 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

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	312390c0-b5b3-47ae-ba9c-843a4ab7d367

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