

# CA-1RS1N8A9007 - Coupler connector



1624008

<https://www.phoenixcontact.com/us/products/1624008>

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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: 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.: 1245043

## 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	1624008
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAEG
Catalog page	Page 89 (C-2-2019)
GTIN	4055626227801
Weight per piece (including packing)	94.1 g
Weight per piece (excluding packing)	90.7 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, 3 x Ø 1.5 mm separately
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### Product properties

Product type	Circular connector (cable-side)
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### Connector

#### Insulating body

Note	Order information: Order crimp contacts 16 x Ø 1 mm, 3 x Ø 1.5 mm separately
Coding	N
Insulation body material	PA 6.6
Insertion/withdrawal cycles	100
Connection method	Crimp connection
Contact switching type	Socket
Application	Signal
Number of positions	19
Direction of rotation	Standard
Connection profile	16+2+FE
Contact diameter	1.5 mm

#### Power contacts

Litz wire cross-section	Power contacts min.	0.08 mm <sup>2</sup>
Litz wire cross-section	Power contacts max.	1 mm <sup>2</sup>
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

#### Signal contacts

Contact diameter		1 mm
Litz wire cross-section	Signal contacts min.	0.08 mm <sup>2</sup>
Litz wire cross-section	Signal contacts max.	1 mm <sup>2</sup>
Nominal current per signal contact		8 A
Note		for max. connection cross section
Rated voltage	Signal contact	48 V AC
Rated surge voltage		1.5 kV
Overvoltage category		III
Degree of pollution		3
Installation height		2000 m

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## Housing

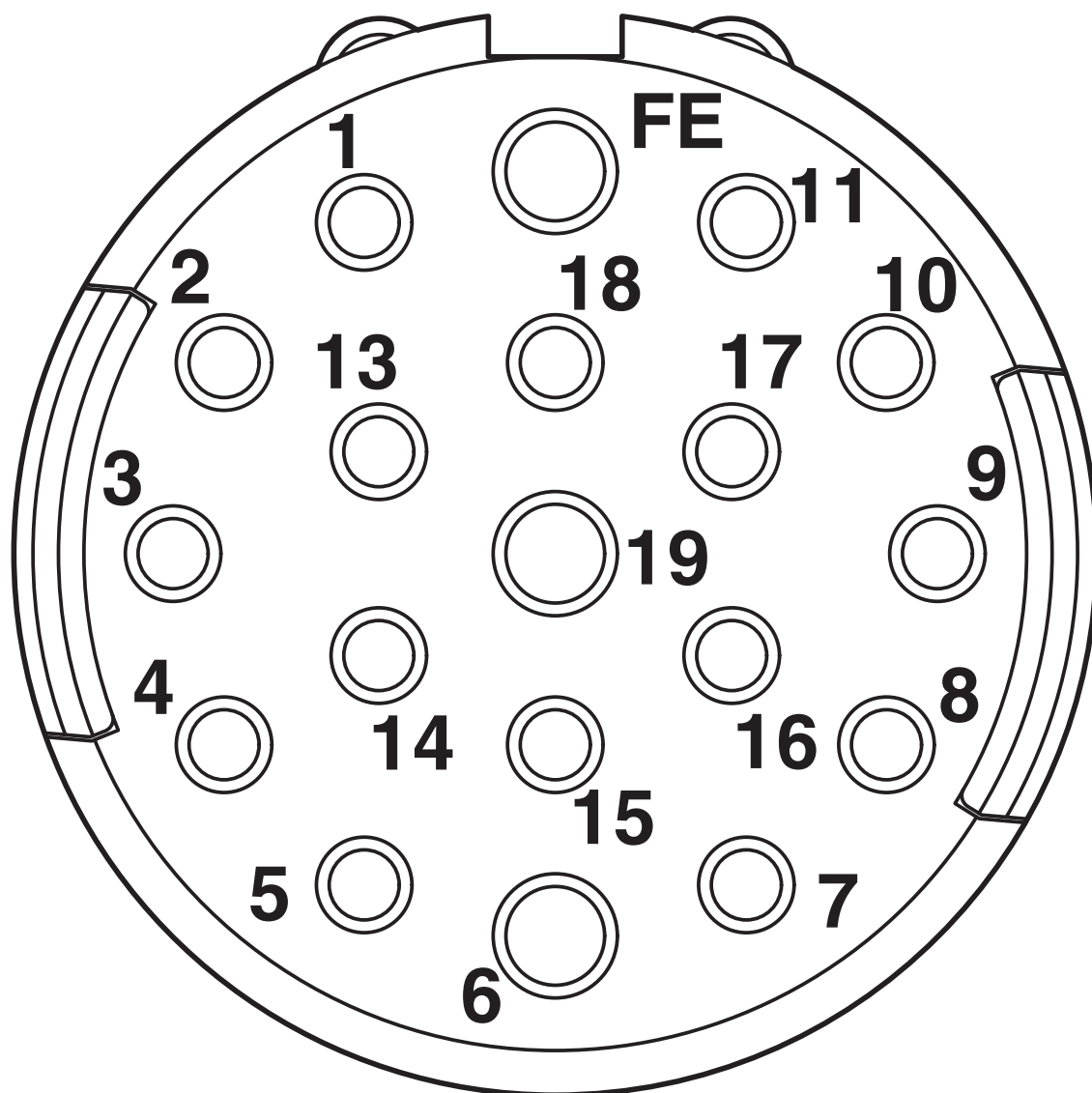
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Type of locking	for standard and SPEEDCON interlock
Pg screw connection	none
Degree of protection (plugged in)	IP67
Thread type	M23

## Seal

External cable diameter	6 mm ... 10 mm
Seal material	NBR

## 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/1624008>

 <b>cUL Recognized</b> Approval ID: E335019-20141210				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
Power	48 V	6 A	18 - 18	-
Signal	48 V	5 A	18 - 18	-

 <b>UL Recognized</b> Approval ID: E335019-20141210				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
Power	48 V	10 A	18 - 18	-
Signal	48 V	8 A	18 - 18	-

<b>cULus Recognized</b>				
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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	0b2231c4-68ed-4f34-88fc-2af06c106e51

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