CA-1RS1N8A90DN - Coupler connector

1624006

https://www.phoenixcontact.com/us/products/1624006

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The figure shows the product with assembled crimp contacts. Please order crimp contacts separately.

M23, Coupler connector, application: Signal, 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: 3 mm ... 14.5 mm, coding: N. This product is in the process of being discontinued. This product must no longer be considered for new projects. Please contact your sales representative for alternatives. Alternative products: 1629100

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	1624006
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAEG
GTIN	4055626227818
Weight per piece (including packing)	94.5 g
Weight per piece (excluding packing)	88.348 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

Order information:	Order crimp contacts 16 x Ø 1 mm, 3 x Ø 1.5 mm separately
Order information:	When using a specific cable with Ø 3 mm ... 4 mm, it may be necessary to use the special cable seal (1786601)

Product properties

Product type	Circular connector (cable-side)

Connector

Insulating body

Note	Order information: Order crimp contacts 16 x Ø 1 mm, 3 x Ø 1.5 mm separately
Coding	N
Material (Insulating body)	PA 6.6
Flammability rating according to UL 94	V0
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
Installation height	2000 m
Number (Contact group 1)	3
Contact diameter (Contact group 1)	1.5 mm
Litz wires Min. cross section (Contact group 1)	0.08 mm²
Litz wires Max. cross section (Contact group 1)	1 mm²
Rated current Contact (Contact group 1)	10 A (for max. connection cross section)
Rated voltage Contact (Contact group 1)	48 V AC
	74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	II
Degree of pollution	3
Number (Contact group 2)	16
Contact diameter (Contact group 2)	1 mm
Litz wires Max. cross section (Contact group 2)	1 mm²
Rated current Contact (Contact group 2)	8 A (for max. connection cross section)
Rated voltage Contact (Contact group 2)	48 V AC
	48 V AC
Rated surge voltage	1.5 kV
Overvoltage category	III

Degree of pollution	3

Housing

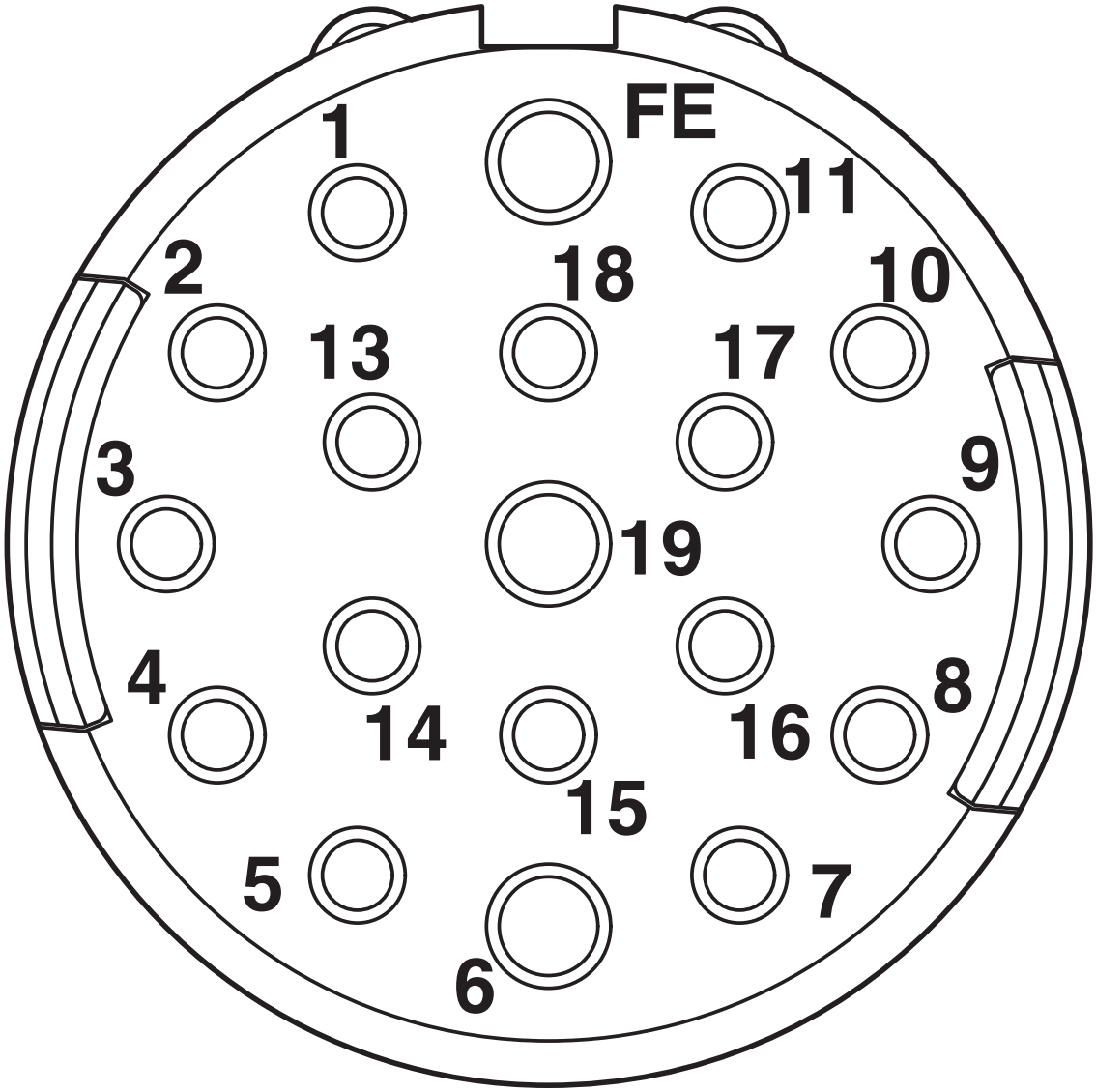
Type	Coupling housing
Thread type	M23
Design	straight
Type of locking	for standard and SPEEDCON interlock
Pg screw connection	none
Material (Housing)	CuZn (Rotating parts)
	GD-Zn (Die-cast parts)
Material (Screw connection)	CuZn
Degree of protection (plugged in)	IP67

Seal

External cable diameter	3 mm ... 14.5 mm
Seal material	NBR

Drawings

Schematic diagram



Connector pin assignment

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1624006

cUL Recognized
Approval ID: E335019-20141210

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Power	48 V	6 A	18	-
Signal	48 V	5 A	18	-

UL Recognized
Approval ID: E335019-20141210

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Power	48 V	10 A	18	-
Signal	48 V	8 A	18	-

Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

ETIM

ETIM 10.0	EC002635

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com