

# CA-19S1N129006X - Coupler connector



1244011

<https://www.phoenixcontact.com/in/products/1244011>

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M23, Coupler connector, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 16+3, Direction of rotation: Standard, contact connection type: Socket, Solder connection, cable diameter range: 4 mm ... 6 mm, coding: N, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

## 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
- Solder connection: proven connection technology for various litz wires

## Commercial data

Item number	1244011
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	*****
Product key	ABRAEG
GTIN	4063151405618
Weight per piece (including packing)	97.9 g
Weight per piece (excluding packing)	91.355 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Product properties

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

#### Connection 1

Head design	Socket
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#### Insulating body

Coding	N
Insulation body material	PA 6.6
Contact material	CuZn
Contact surface material	Ni/Au
Insertion/withdrawal cycles	100
Connection method	Solder connection
Contact switching type	Socket
Application	Signal
Number of positions	19
Direction of rotation	Standard
Connection profile	16+3
Contact diameter	1.5 mm
Litz wire cross-section	0.08 mm <sup>2</sup>
Litz wire cross-section	1 mm <sup>2</sup>
Rated current	10 A
Rated voltage	48 V AC 74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3
Contact diameter	1 mm
Litz wire cross-section	0.08 mm <sup>2</sup>
Litz wire cross-section	1 mm <sup>2</sup>
Nominal current per signal contact	8 A

#### 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

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Thread type	M23
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## Seal

External cable diameter	4 mm ... 6 mm
Seal material	NBR

## Environmental and real-life conditions

### Ambient conditions

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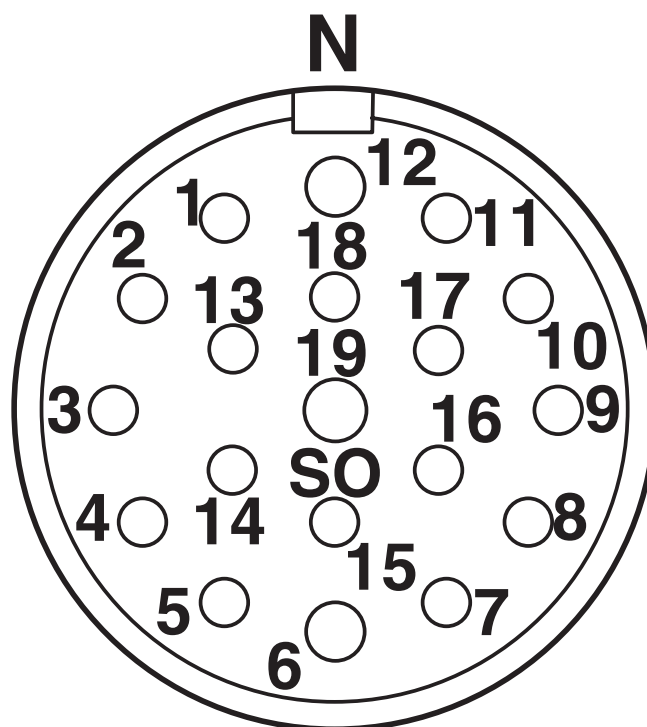
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## Drawings

Schematic diagram



Connector pin assignment

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/in/products/1244011>

 <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	-
Signal	48 V	5 A	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	-
Signal	48 V	8 A	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	39121100
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## 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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## Accessories

### SF-Z0019 - Protective cap

1607449

<https://www.phoenixcontact.com/in/products/1607449>



Plastic protection cap, with eye, IP40 for connectors with M23 external thread, RF, SF series

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### RF-Z0014 - Color coding

1620588

<https://www.phoenixcontact.com/in/products/1620588>

Color coding, color: green





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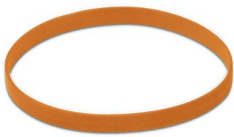
<https://www.phoenixcontact.com/in/products/1244011>

## RF-Z0015 - Color coding

1620592

<https://www.phoenixcontact.com/in/products/1620592>

Color coding, color: orange



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## RF-Z0016 - Color coding

1620593

<https://www.phoenixcontact.com/in/products/1620593>

Color coding, color: black



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## RF-Z0003X - Square mounting flange

1242369

<https://www.phoenixcontact.com/in/products/1242369>



Square mounting flange, Axial seal, 4xM3, flange dimensions: 35 mm x 35 mm, series: RF, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

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## PROT-M23PRO-OT-IP20 - Plastic protective cap

1055753

<https://www.phoenixcontact.com/in/products/1055753>



Plastic protective cap, M23, series: M23 PRO

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