CA-12S1N8A6L00 - Device connector front mounting

1624033

https://www.phoenixcontact.com/us/products/1624033

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M23, Device connector front mounting, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, Axial seal, Central fastening M20 x 1.5, can be positioned via a locking nut, coding: N

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	1624033
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAEL
Catalog page	Page 98 (C-2-2019)
GTIN	4055626227610
Weight per piece (including packing)	32.7 g
Weight per piece (excluding packing)	32.7 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

General	Order 12 x 1 mm crimp contacts separately

Product properties

Product type	Circular connectors (device side)

Material specifications

Flammability rating according to UL 94	V0

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	Signal
Number of positions	12
Direction of rotation	Standard
Connection profile	12
Contact diameter Signal contacts	1 mm
Litz wire cross-section Signal contacts min.	0.08 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

Environmental and real-life conditions

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Ambient conditions

Ambient temperature (storage/transport)	15 °C ... 25 °C
Permissible humidity (storage/transport)	50 % ... 65 %

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Drawings

Dimensional drawing

14,9   18,5   8,5

M23x1 Speedcon   M20x1,5   24   Ø26
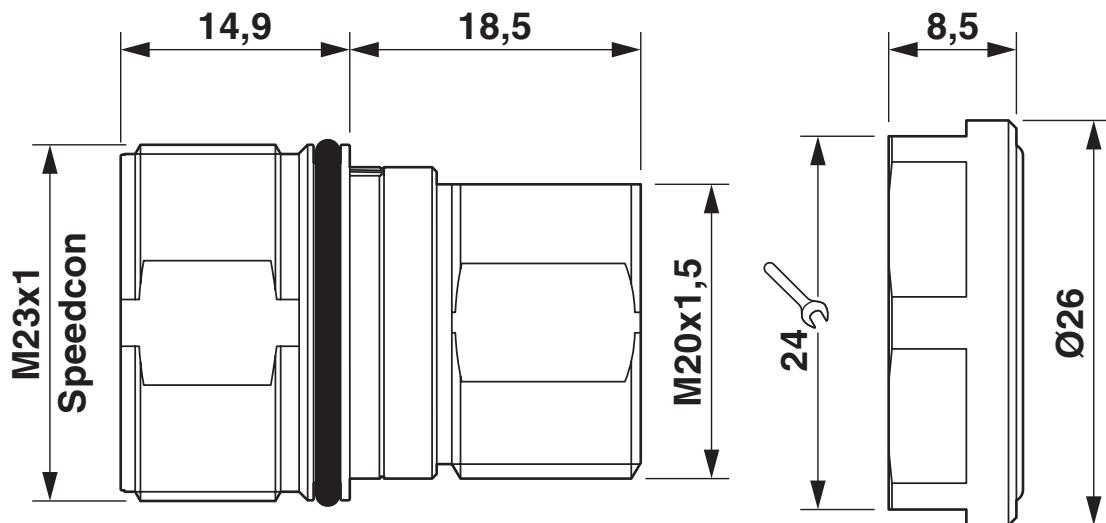
Technical drawings can be found under Downloads

Dimensional drawing

M20x1,5   >3
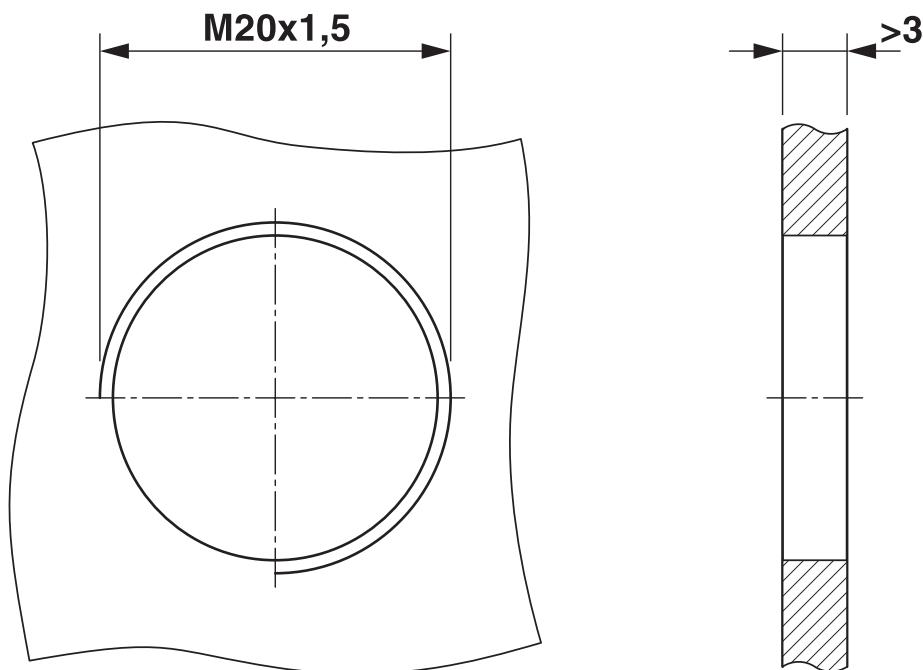
Installation dimensions

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Schematic diagram

N

1 9 8

10 12

2 7

SO

3 6

11

4 5
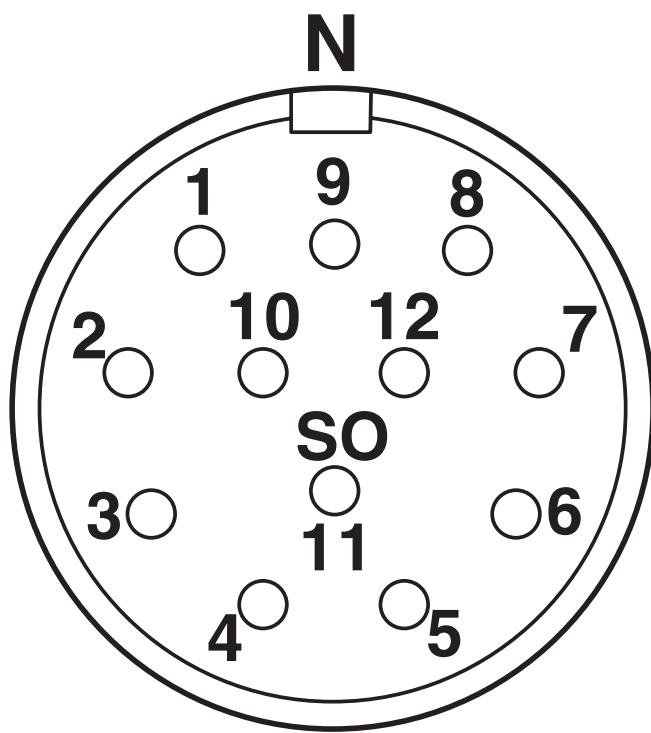
Connector pin assignment

Approvals

💡 To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1624033

cUL Recognized
Approval ID: E335019-20141210

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	48 V	4 A	- 20	-

UL Recognized
Approval ID: E335019-20141210

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	48 V	6 A	- 20	-

cULus Recognized

Classifications

ECLASS

ECLASS-11.0	27440109
ECLASS-12.0	27440109
ECLASS-13.0	27440109

ETIM

ETIM 9.0	EC003569

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

REACh SVHC	Lead 7439-92-1

China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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Accessories

RC-11S2000 - Crimp contact

1596772

https://www.phoenixcontact.com/us/products/1596772

Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range: 0.08 mm^2 ... 0.22 mm^2, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241093

RC-12S2000 - Crimp contact

1599600

https://www.phoenixcontact.com/us/products/1599600

Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range: 0.14 mm^2 ... 0.56 mm^2, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241093

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RC-1KS2000 - Crimp contact

1602998

https://www.phoenixcontact.com/us/products/1602998

Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range: 0.5 mm^2 ... 1 mm^2, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241572

SF-Z0019 - Protective cap

1607449

https://www.phoenixcontact.com/us/products/1607449

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

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RC-Z2469 - Protective cap

1611797

https://www.phoenixcontact.com/us/products/1611797

Plastic protection cap, antistatic, for RF, SF, CA, RC series connectors, with M23 external thread

RC-Z2104 - Metal protective cap

1604260

https://www.phoenixcontact.com/us/products/1604260

Metal protective cap, M23, degree of protection: IP67, series: RC, UC, RF, SF, NC, RM, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241739

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RC-Z2068 - Metal protective cap

1604236

https://www.phoenixcontact.com/us/products/1604236

Metal protective cap, M23, degree of protection: IP67, series: RC, UC, RF, SF, NC, RM, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241735

RF-Z0017 - Color coding

1620624

https://www.phoenixcontact.com/us/products/1620624

Color coding, color: green

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CA-Z0001 - Contact removal tool

1620699

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Unlocking tool for contact carriers for snapping in the M23 signal device connectors

RF-Z0018 - Color coding

1620625

https://www.phoenixcontact.com/us/products/1620625

Color coding, color: orange

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RF-Z0019 - Color coding

1620626

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Color coding, color: anthracite

RC-22S2000 - Crimp contact

1603327

https://www.phoenixcontact.com/us/products/1603327

Crimp contact, Socket, rolled, Single contact, contact diameter: 1 mm, crimp range: 0.22 mm^2 ... 0.56 mm^2, Single contact, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

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RC-22S2300 - Crimp contact

1603330

https://www.phoenixcontact.com/us/products/1603330

Crimp contact, Socket, rolled, Taped product, number of pieces per reel: 500, contact diameter: 1 mm, crimp range: 0.22 mm^2 ... 0.56 mm^2, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

RC-22S2400 - Crimp contact

1603332

https://www.phoenixcontact.com/us/products/1603332

Crimp contact, Socket, rolled, Taped product, number of pieces per reel: 10000, contact diameter: 1 mm, crimp range: 0.22 mm^2 ... 0.56 mm^2, 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

Plastic protective cap, M23, degree of protection: IP20, series: M23 PRO

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