

CA-12S1N8A6L00 - Device connector front mounting



1624033

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

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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 |

CA-12S1N8A6L00 - Device connector front mounting



1624033

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

Technical data

Notes

| | |
|--------------------|---|
| Order information: | Order 12 x 1 mm crimp contacts separately |
|--------------------|---|

Product properties

| | |
|--------------|-----------------------------------|
| Product type | Circular connectors (device side) |
|--------------|-----------------------------------|

Data management status

| | |
|------------------|----|
| Article revision | 04 |
|------------------|----|

Material specifications

| | |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

Connector

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 | 1 mm |
| Signal contacts | |
| Litz wire cross-section Signal contacts min. | 0.08 mm ² |
| Litz wire cross-section Signal contacts max. | 1 mm ² |
| 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

CA-12S1N8A6L00 - Device connector front mounting



1624033

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

Ambient conditions

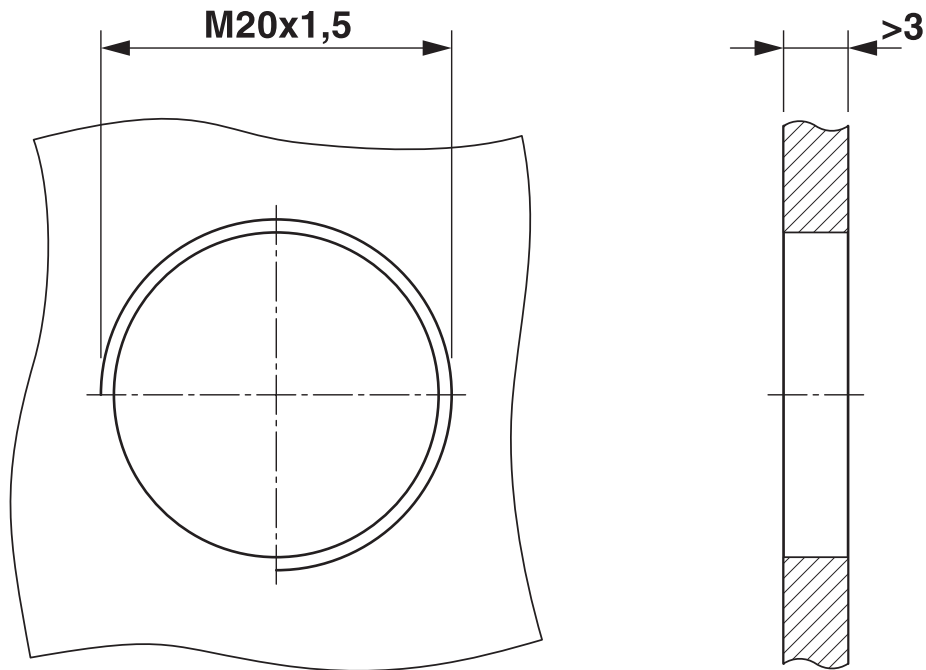
| | |
|--|-----------------|
| Ambient temperature (storage/transport) | 15 °C ... 25 °C |
| Permissible humidity (storage/transport) | 50 % ... 65 % |

1624033

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

Drawings

Dimensional drawing

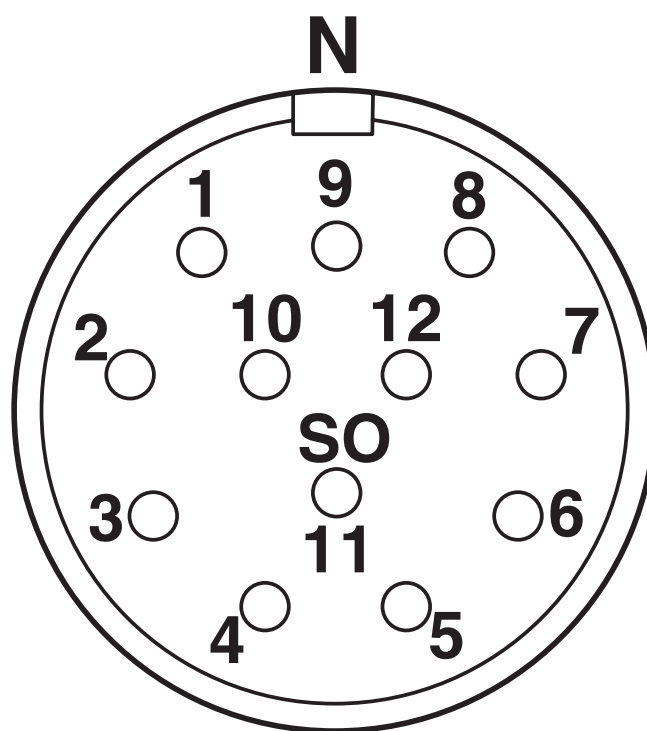


Installation dimensions

1624033

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


Schematic diagram




Connector pin assignment

Approvals

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

| | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| <div> cUL Recognized Approval ID: E335019-20141210</div> | | | | |
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| | 48 V | 4 A | 20 - 20 | - |

| | | | | |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
| <div> UL Recognized Approval ID: E335019-20141210</div> | | | | |
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| | 48 V | 6 A | 20 - 20 | - |

| | | | | |
|-------------------------|--|--|--|--|
| cULus Recognized | | | | |
|-------------------------|--|--|--|--|

CA-12S1N8A6L00 - Device connector front mounting



1624033

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

Classifications

ECLASS

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

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC003569 |
|----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

CA-12S1N8A6L00 - Device connector front mounting



1624033

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

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 | 837e96ad-5983-4885-a9c2-65d26ab3392b |

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

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