

CA-09S1NA22S00 - Device connector front mounting



1619927

<https://www.phoenixcontact.com/us/products/1619927>

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M23, Device connector front mounting, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 8+1, Direction of rotation: Standard, contact connection type: Socket, Solder-in connection, Flat gasket, 4x Ø 3.2, flange dimensions: 25 mm x 25 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243902

Your advantages

- Safe use in the field, thanks to high degree of protection
- Consistent EMC protection for reliable transmission of signals
- Easy device integration: solder-in contacts available in different lengths

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1619927 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | AB31 |
| Product key | ABRAEL |
| Catalog page | Page 330 (C-2-2013) |
| GTIN | 4046356820431 |
| Weight per piece (including packing) | 29.8 g |
| Weight per piece (excluding packing) | 27.4 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|------------------------|-----------------------------------|
| Product type | Circular connectors (device side) |
| Data management status | |
| Article revision | 06 |

Dimensions

| | |
|--------------------------|-------|
| Length of the solder pin | 10 mm |
| | 10 mm |

Connector

Insulating body

| | |
|------------------------------------|----------------------|
| Coding | N |
| Insulation body material | PBT |
| Contact material | CuZn |
| Contact surface material | Ni/Au |
| Connection method | Solder-in connection |
| Contact switching type | Socket |
| Application | Signal |
| Number of positions | 9 |
| Direction of rotation | Standard |
| Connection profile | 8+1 |
| Contact diameter | 2 mm |
| Rated current | 20 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 |
| Nominal current per signal contact | 8 A |

Housing

| | |
|-----------------------------------|-------------------------------------|
| Housing material | GD-Zn |
| Flange dimensions | 25 mm x 25 mm |
| 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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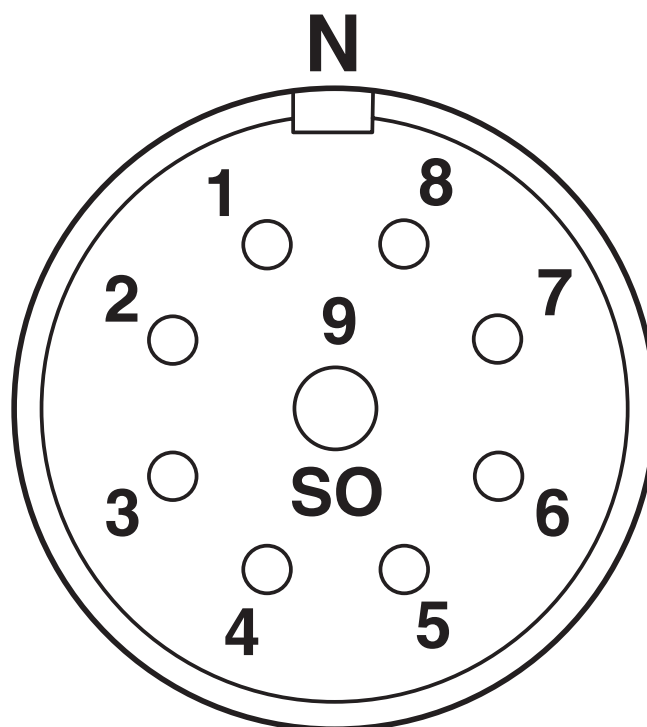
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Ambient conditions

| | |
|---------------------------------|-------------------|
| Ambient temperature (operation) | -40 °C ... 125 °C |
|---------------------------------|-------------------|

Drawings

Schematic diagram

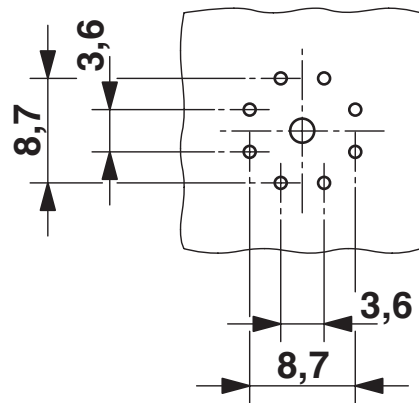


Connector pin assignment

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Drilling plan/solder pad geometry




8+1-pos.

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619927>

| <div> cUL Recognized Approval ID: E335019-20141210</div> | | | | |
|--|--------------------------------|--------------------------------|-------------------|-------------------------------|
| | Nominal voltage U _N | Nominal current I _N | Cross section AWG | Cross section mm ² |
| Power | 48 V | 12 A | 14 - 14 | - |
| Signal | 48 V | 6 A | 18 - 18 | - |

| <div> UL Recognized Approval ID: E335019-20141210</div> | | | | |
|---|--------------------------------|--------------------------------|-------------------|-------------------------------|
| | Nominal voltage U _N | Nominal current I _N | Cross section AWG | Cross section mm ² |
| Power | 48 V | 20 A | 14 - 14 | - |
| Signal | 48 V | 8 A | 18 - 18 | - |

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

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27440102 |
| ECLASS-12.0 | 27440116 |
| ECLASS-13.0 | 27440116 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC002635 |
|----------|----------|

UNSPSC

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

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 | 7d05c2e7-558f-4929-9aaf-d2d551680894 |

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Accessories

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

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

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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

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

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CA-Z0120 - Color coding

1620704

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Color coding, color: green



CA-Z0121 - Color coding

1620705

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Color coding, color: orange



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CA-Z0122 - Color coding

1620706

<https://www.phoenixcontact.com/us/products/1620706>

Color coding, color: black



CA-Z0001 - Contact removal tool

1620699

<https://www.phoenixcontact.com/us/products/1620699>

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



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PROT-M23PRO-OT-IP20 - Plastic protective cap

1055753

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

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



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