

CA-1RS1N8AT0DN - Cable connector



1624071
<https://www.phoenixcontact.com/us/products/1624071>

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M23, Cable connector, series: CA, angled, shielded: yes, Screw locking mechanism, 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, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1245082

Your advantages

- Angled cable outlet for confined spaces
- Can be adapted to various applications, thanks to adjustable cable outlet direction
- 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 | 1624071 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | AB31 |
| Product key | ABRAEC |
| Catalog page | Page 93 (C-2-2019) |
| GTIN | 4055626230627 |
| Weight per piece (including packing) | 188.7 g |
| Weight per piece (excluding packing) | 188.7 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

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Technical data

Notes

| | |
|---------|---|
| General | Order crimp contacts 16 x Ø 1 mm, 3 x Ø 1.5 mm separately |
|---------|---|

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 |
| Insulation body material | PA 6.6 |
| 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 |
| Contact diameter | 1.5 mm |
| Power contacts | |
| Litz wire cross-section Power contacts min. | 0.08 mm² |
| Litz wire cross-section Power contacts max. | 1 mm² |
| Rated current Power contacts | 10 A |
| Note | for max. connection cross section |
| Rated voltage | 48 V AC |
| | 74 V DC |
| Rated surge voltage | 1.5 kV |
| Overvoltage category | II |
| Degree of pollution | 3 |
| Contact diameter | 1 mm |
| Signal contacts | |
| 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 |
| Note | for max. connection cross section |
| Rated voltage Signal contact | 48 V AC |
| Rated surge voltage | 1.5 kV |
| Overvoltage category | III |
| Degree of pollution | 3 |
| Installation height | 2000 m |

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Housing

| | |
|-----------------------------------|--|
| Housing material | Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn) |
| Type of locking | Screw locking mechanism |
| Pg screw connection | none |
| Degree of protection (plugged in) | IP67 |
| Thread type | M23 |

Seal

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

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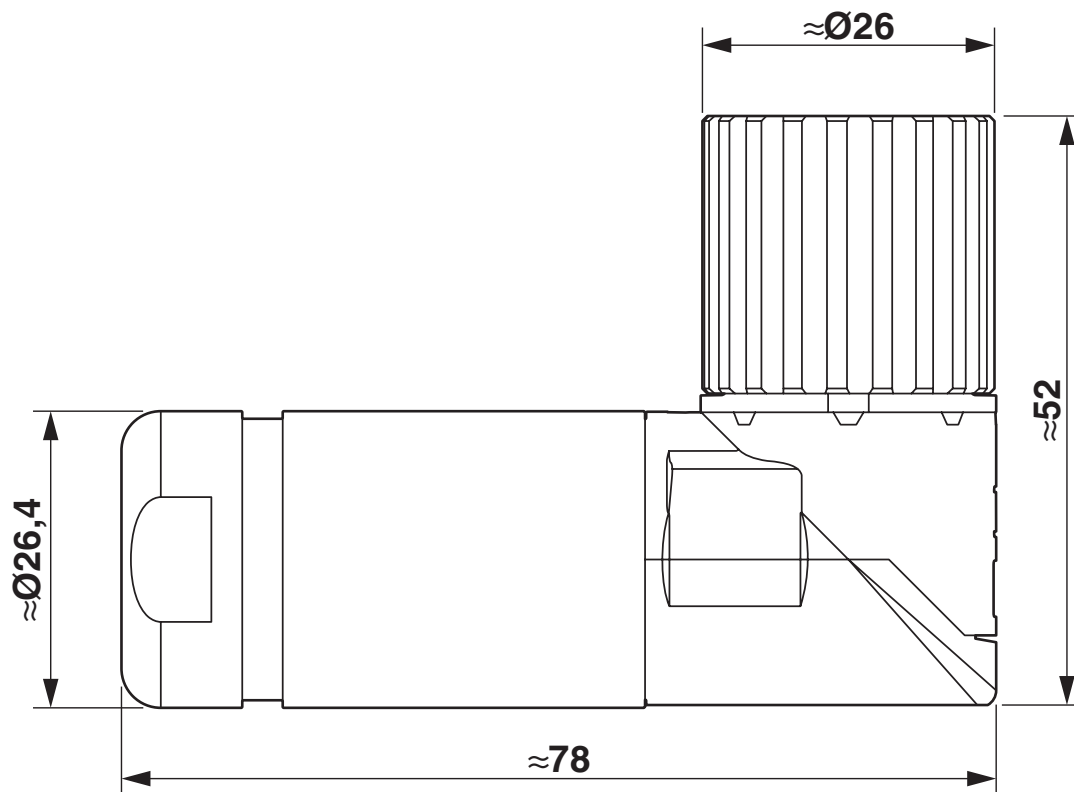


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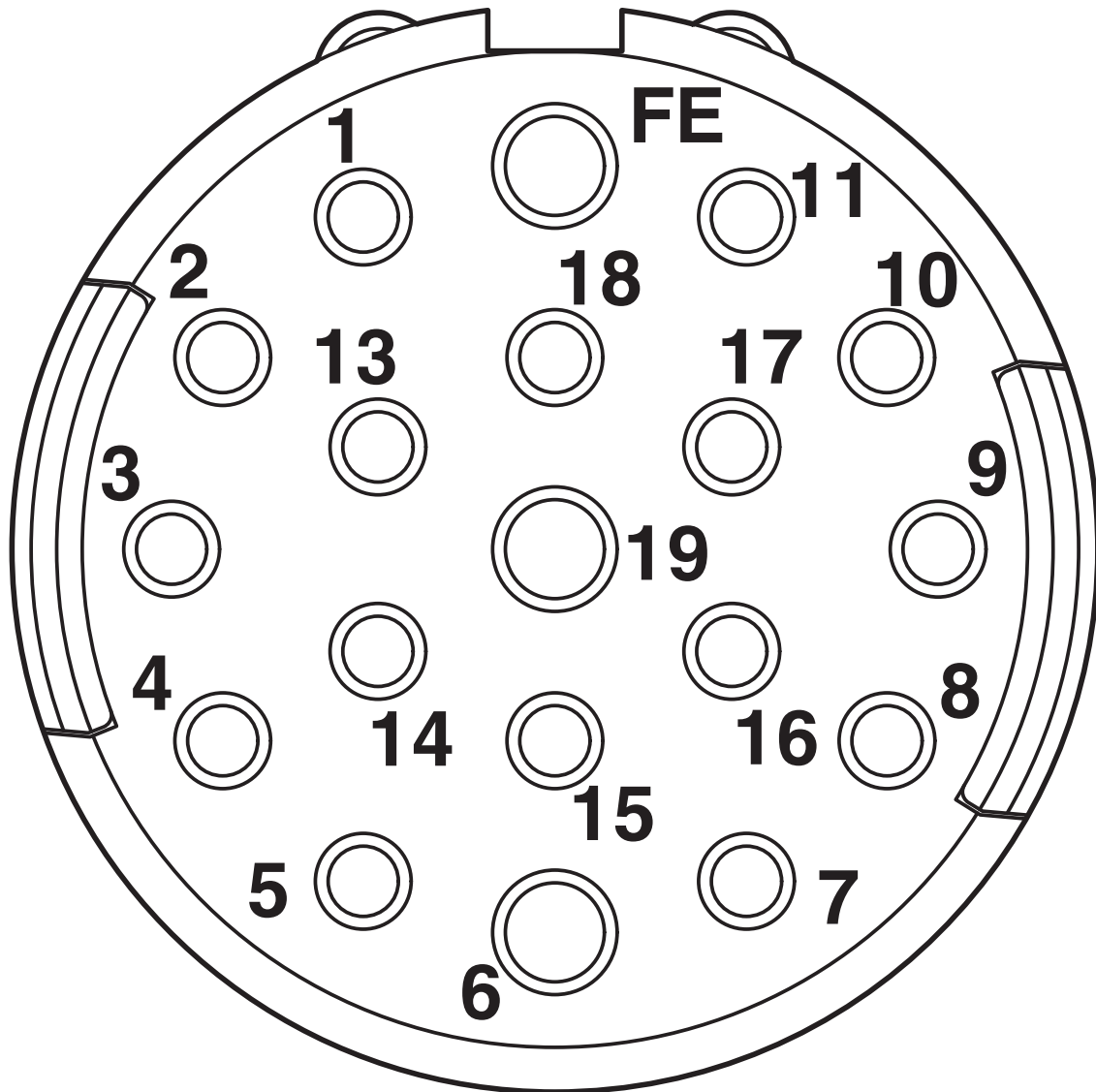
Drawings

Dimensional drawing



Dimensional drawing

Schematic diagram



Connector pin assignment

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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 |
|-------------|----------|

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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 mm² ... 0.22 mm², 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 mm² ... 0.56 mm², 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 mm² ... 1 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1241572

RC-15S2000 - Crimp contact

1623775

<https://www.phoenixcontact.com/us/products/1623775>



Crimp contact, Socket, turned, contact diameter: 1.5 mm, crimp range: 0.5 mm² .. 1 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1244969

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RC-15S2200 - Crimp contact

1627290

<https://www.phoenixcontact.com/us/products/1627290>



Crimp contact, Socket, turned, contact diameter: 1.5 mm, crimp range: 0.08 mm² ... 0.22 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1245474

SF-Z0027 - Hook wrench

1607455

<https://www.phoenixcontact.com/us/products/1607455>



Hook wrench, series: RC

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SF-Z0028 - Torque screwdriver

1607456

<https://www.phoenixcontact.com/us/products/1607456>

Torque screwdriver, series: RC



RF-Z0003 - Square mounting flange

1607905

<https://www.phoenixcontact.com/us/products/1607905>



Square mounting flange, Axial seal, 4xM3, flange dimensions: 35 mm x 35 mm, series: RF, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1242369

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RF-Z0007 - Special wrench

1614347

<https://www.phoenixcontact.com/us/products/1614347>

Special wrench, series: RF



RF-Z0014 - Color coding

1620588

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Color coding, color: green



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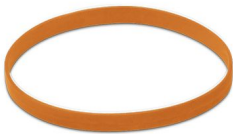
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RF-Z0015 - Color coding

1620592

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

Color coding, color: orange



RF-Z0016 - Color coding

1620593

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Color coding, color: black



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PROT-M23-SG-IT-IP20 - Plastic protective cap

1577206

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



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