

CA-1RS1N8AT008S - Cable connector



1624083

<https://www.phoenixcontact.com/us/products/1624083>

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M23, Cable connector, series: CA, angled, shielded: yes, SPEEDCON, No. of pos.: 16+2+FE, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, cable diameter range: 10 mm ... 14.5 mm, coding: N, this item is expected to be lead-free from Q4 2025 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

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
- Reduced connection time with SPEEDCON fast locking system
- Crimping connection: vibration- and temperature-resistant assembly

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1624083 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | AB31 |
| Product key | ABRAED |
| GTIN | 4055626230733 |
| Weight per piece (including packing) | 187.4 g |
| Weight per piece (excluding packing) | 180.893 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

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Technical data

Notes

| | |
|--------------------|---|
| Order information: | 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 | |
| Material (Insulating body) | PA 6.6 | |
| Flammability rating according to UL 94 | V0 | |
| 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 | |
| Installation height | 2000 m | |
| Number Contact (Contact group 1) | 3 | |
| Diameter Contact (Contact group 1) | 1.5 mm | |
| Litz wire cross-section min. Contact (Contact group 1) | 0.08 mm ² | |
| Litz wire cross-section max. Contact (Contact group 1) | 1 mm ² | |
| Rated current Contact (Contact group 1) | 10 A (for max. connection cross section) | |
| Rated voltage Contact (Contact group 1) | 48 V AC | |
| | 74 V DC | |
| Rated surge voltage | 1.5 kV | |
| Overvoltage category | II | |
| Degree of pollution | 3 | |
| Number Contact (Contact group 2) | 16 | |
| Diameter Contact (Contact group 2) | 1 mm | |
| Litz wire cross-section min. Contact (Contact group 2) | 0.08 mm ² | |
| Litz wire cross-section max. Contact (Contact group 2) | 1 mm ² | |
| Rated current Contact (Contact group 2) | 8 A (for max. connection cross section) | |
| Rated voltage Contact (Contact group 2) | 48 V AC | |
| | 48 V AC | |
| Rated surge voltage | 1.5 kV | |
| Overvoltage category | III | |
| Degree of pollution | 3 | |

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Housing

| | |
|-----------------------------------|-------------------------|
| Type | Cable connector housing |
| Thread type | M23 |
| Design | angled |
| Type of locking | SPEEDCON |
| Pg screw connection | none |
| Housing material | Metal |
| Degree of protection (plugged in) | IP67 |

Seal

| | |
|-------------------------|-------------------|
| External cable diameter | 10 mm ... 14.5 mm |
| Seal material | NBR |

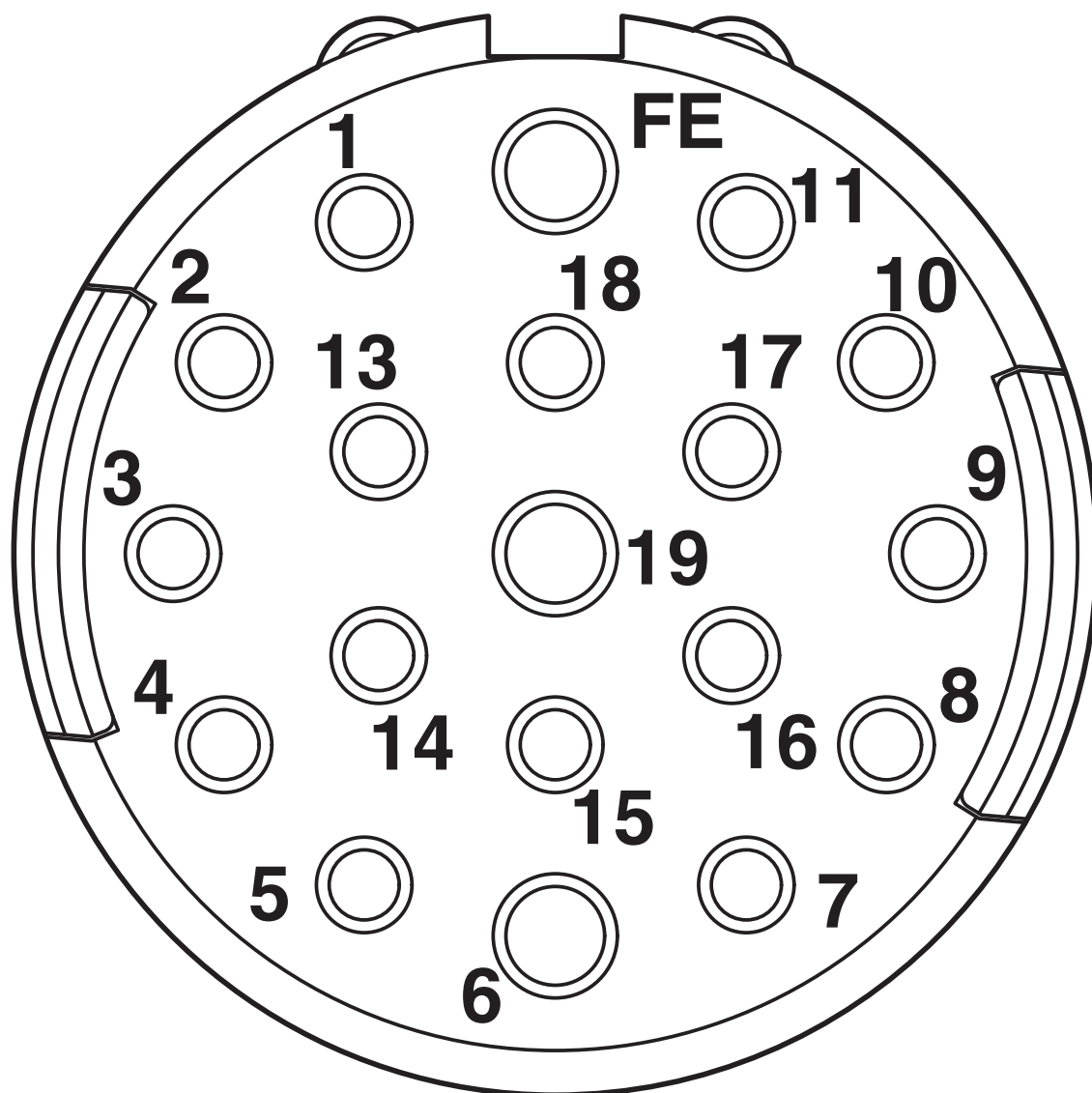
Environmental and real-life conditions

Ambient conditions

| | |
|--|---------------|
| Permissible humidity (storage/transport) | 50 % ... 65 % |
|--|---------------|

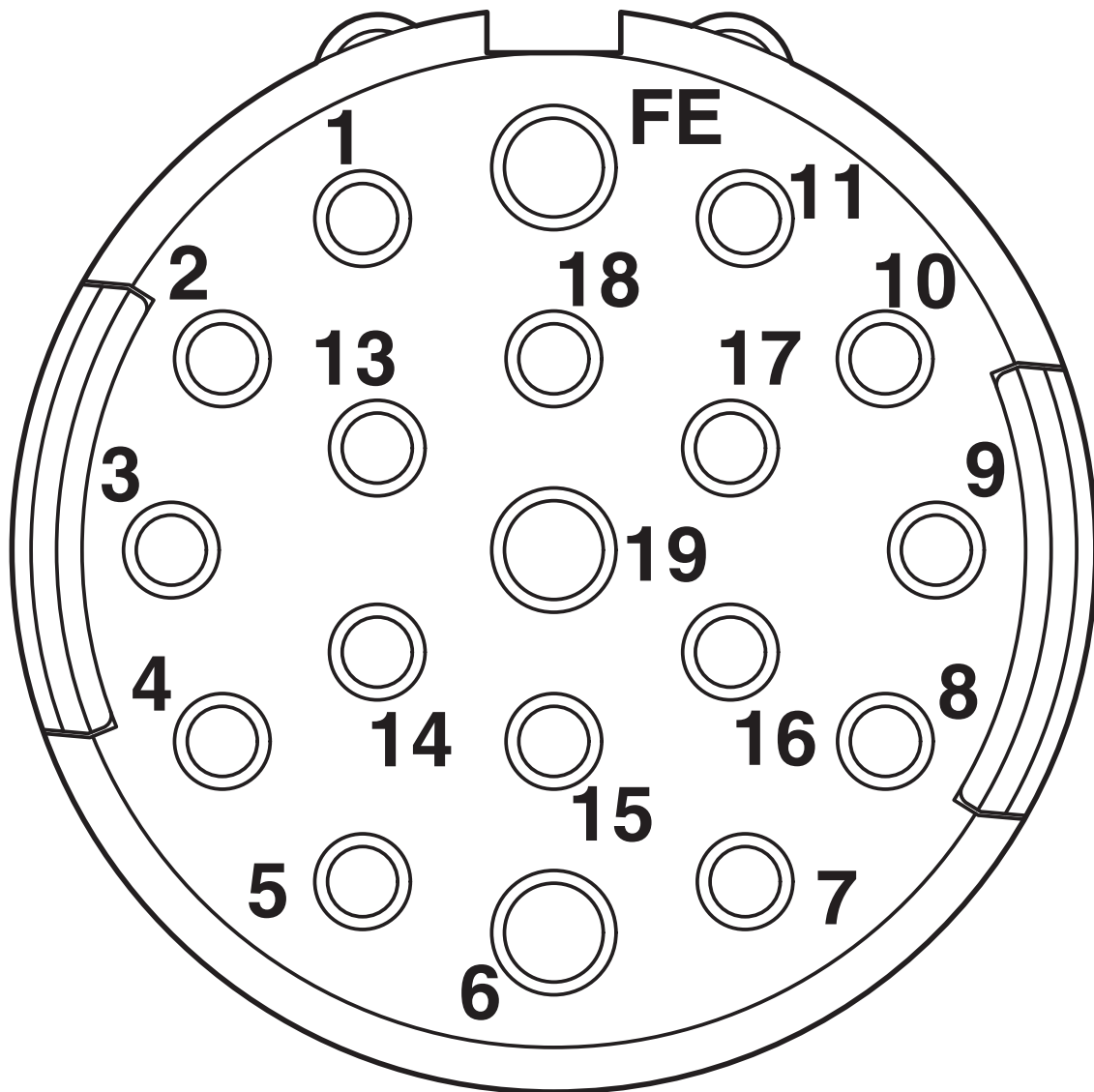
Drawings

Schematic diagram



Connector pin assignment

Schematic diagram



Connector pin assignment

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27440116 |
| ECLASS-15.0 | 27440116 |

ETIM

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

UNSPSC

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

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Environmental product compliance

EU RoHS

| | |
|---|------|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c) |

China RoHS

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|--|---|
| 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 | 4b5c318f-2e25-493f-98d2-57202985b5ec |

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