

CA-17M1N8A9503 - Coupler connector



1620000
<https://www.phoenixcontact.com/us/products/1620000>

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M23, Coupler connector, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 17, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, cable diameter range: 6 mm ... 10 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243939

Your advantages

- Safe use in the field, thanks to high degree of protection
- Connector for flexible on-site assembly
- Consistent EMC protection for reliable connection solutions in the industrial environment
- Crimping connection: vibration- and temperature-resistant assembly

Commercial data

| | |
|--------------------------------------|---------------------|
| Item number | 1620000 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB31 |
| Product key | ABRAEG |
| Catalog page | Page 111 (C-2-2019) |
| GTIN | 4046356819947 |
| Weight per piece (including packing) | 91.9 g |
| Weight per piece (excluding packing) | 91.9 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

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Technical data

Notes

| | |
|--------------------|---|
| Order information: | Order 17 x 1 mm crimp contacts separately |
|--------------------|---|

Product properties

| | |
|--------------|---------------------------------|
| Product type | Circular connector (cable-side) |
|--------------|---------------------------------|

Data management status

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

Connector

Insulating body

| | |
|------------------------------------|--|
| Note | Order information: Order 17 x 1 mm crimp contacts separately |
| Coding | N |
| Insulation body material | PA 6.6 |
| Connection method | Crimp connection |
| Contact switching type | Pin |
| Application | Feedback, signal |
| | Signal |
| Number of positions | 17 |
| Direction of rotation | Standard |
| Connection profile | 17 |
| Contact diameter | 1 mm |
| Litz wire cross-section | Signal contacts min. 0.06 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 |

Seal

| | |
|-------------------------|----------------|
| External cable diameter | 6 mm ... 10 mm |
| Seal material | FPM |

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Environmental and real-life conditions

Ambient conditions

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

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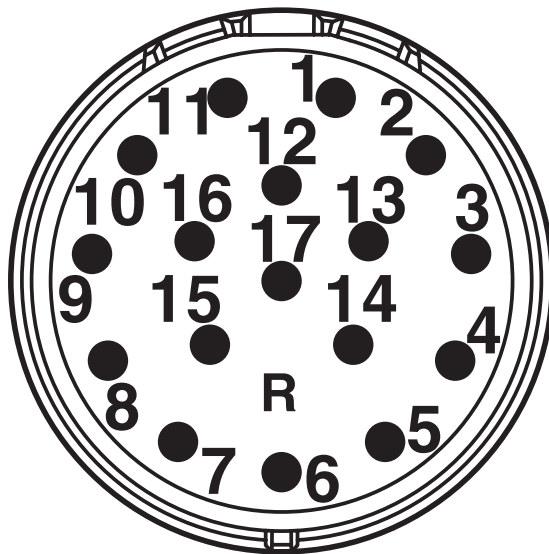


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Drawings

Schematic diagram



Contact chamber numbering (view of plug-in side), standard pin

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1620000>

| | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
|  cUL Recognized Approval ID: E335019-20141210 | | | | |
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| | 48 V | 5 A | 18 - 18 | - |

| | | | | |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
|  UL Recognized Approval ID: E335019-20141210 | | | | |
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| | 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

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| ETIM 9.0 | EC002635 |
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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 | |
| 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 | 553f86e6-ac19-49b0-95eb-4f653a51294a |

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