

Cable connector - CA-09P1N12T007



1620253

<https://www.phoenixcontact.com/us/products/1620253>

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M23, Cable connector, CA, angled, shielded: yes, Screw locking, No. of pos.: 8+1, Direction of rotation: Standard, type of contact: Pin, Solder connection, cable diameter range: 6 mm ... 10 mm, coding:N Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) 1244104



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
- Solder connection: proven connection technology for various litz wires

Commercial Data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1620253 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to Order (non-returnable) |
| Sales Key | A12 |
| Product Key | ABRBFB |
| Catalog Page | Page 92 (C-2-2019) |
| GTIN | 4046356818308 |
| Weight per Piece (including packing) | 190.8 g |
| Weight per Piece (excluding packing) | 190.8 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

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Technical Data

Product properties

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

Connector

Insulating body

| | |
|------------------------------------|---------------------|
| Coding | N |
| Insulation body material | PBT |
| Contact material | CuZn |
| Contact surface material | Ni/Au |
| Insertion/withdrawal cycles | 100 |
| Connection method | Solder connection |
| Contact type | Pin |
| Application | Signal |
| Number of positions | 9 |
| Direction of rotation | Standard |
| Connection profile | 8+1 |
| Contact diameter | 2 mm |
| Litz wire cross-section | 2.5 mm ² |
| 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 |
| Litz wire cross-section | 1 mm ² |
| Nominal current per signal contact | 8 A |

Housing

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

Seal

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

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Ambient conditions

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

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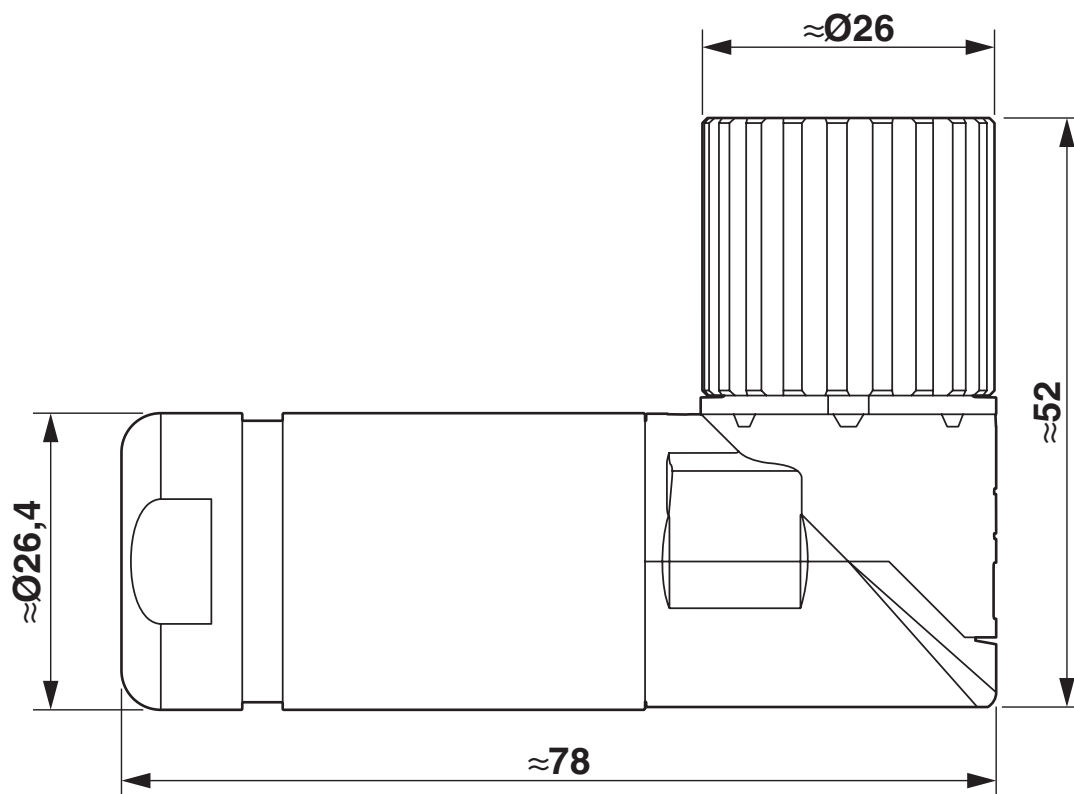
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Drawings

Dimensional drawing



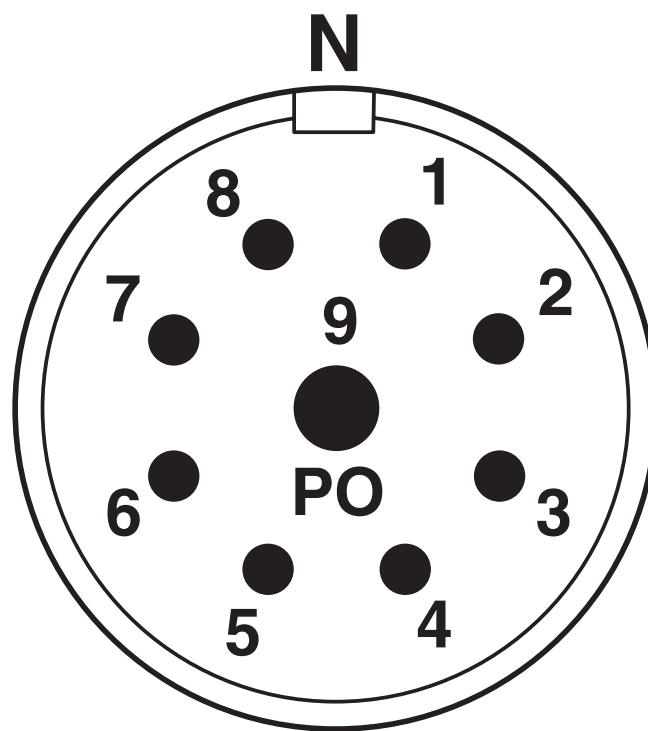
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Schematic diagram



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Approvals

| cUL Recognized Approval ID: E335019-20141210 | | | | |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal Voltage U_N | Nominal Current I_N | Cross Section AWG | Cross Section mm^2 |
| Power | 48 V | 12 A | - 14 | - |
| Signal | 48 V | 6 A | - 18 | - |

| UL Recognized Approval ID: E335019-20141210 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal Voltage U_N | Nominal Current I_N | Cross Section AWG | Cross Section mm^2 |
| Power | 48 V | 20 A | - 14 | - |
| Signal | 48 V | 8 A | - 18 | - |

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

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Classifications

ECLASS

| | |
|---------------|----------|
| ECLASS-9.0 | 27440102 |
| ECLASS-10.0.1 | 27440102 |
| ECLASS-11.0 | 27440102 |

ETIM

| | |
|----------|----------|
| ETIM 8.0 | 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

Torque screwdriver

Torque screwdriver - SF-Z0028 - 1607456

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

Torque screwdriver, series: RC



Hook wrench

Hook wrench - SF-Z0027 - 1607455

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

Hook wrench, series: RC



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Protective cap

Protective cap - RC-Z2058 - 1604223

<https://www.phoenixcontact.com/us/products/1604223>

Plastic protection cap for connectors with M23 knurled nut



Plastic anti-static dust protection cap

Plastic anti-static dust protection cap - RC-Z2468 - 1611796

<https://www.phoenixcontact.com/us/products/1611796>

Plastic protection cap, antistatic, for connectors with M23 knurled nut



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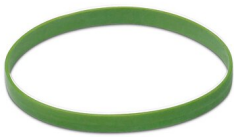


Color-coding

Color-coding - RF-Z0014 - 1620588

<https://www.phoenixcontact.com/us/products/1620588>

Color-coding, color: green



Color-coding

Color-coding - RF-Z0015 - 1620592

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

Color-coding, color: orange



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Color-coding

Color-coding - RF-Z0016 - 1620593

<https://www.phoenixcontact.com/us/products/1620593>

Color-coding, color: black



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