

CA-12P1N8AT006S - Cable connector



1619409

<https://www.phoenixcontact.com/us/products/1619409>

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M23, Cable connector, application: Signal, series: CA, angled, shielded: yes, SPEEDCON, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, cable diameter range: 4 mm ... 6 mm, coding: N. This product is in the process of being discontinued. This product must no longer be considered for new projects. Please contact your sales representative for alternatives.



The figure shows the product version with solder contacts

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 | 1619409 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | AB31 |
| Product key | ABRAED |
| GTIN | 4046356824385 |
| Weight per piece (including packing) | 188 g |
| Weight per piece (excluding packing) | 181.624 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

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Technical data

Notes

| | |
|--------------------|---|
| Order information: | Order 12 x 1 mm crimp contacts separately |
|--------------------|---|

Product properties

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

Connector

Insulating body

| | |
|---|---|
| Note | Order information: Order crimp contacts Ø 1 mm separately |
| Coding | N |
| Material (Insulating body) | PA 6.6 |
| Connection method | Crimp connection |
| Contact switching type | Pin |
| Application | Signal |
| Number of positions | 12 |
| Direction of rotation | Standard |
| Connection profile | 12 |
| Number (Signal contacts) | 12 |
| Contact diameter (Signal contacts) | 1 mm |
| Litz wires Min. cross section (Signal contacts) | 0.08 mm ² |
| Litz wires Max. cross section (Signal contacts) | 1 mm ² |
| Rated current Contact (Signal contacts) | 8 A (for max. connection cross section) |
| Rated voltage Contact (Signal contacts) | 48 V AC 74 V DC |
| Rated surge voltage | 1.5 kV |
| Overvoltage category | III |
| Degree of pollution | 3 |

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 | 4 mm ... 6 mm |
| Seal material | NBR |

Environmental and real-life conditions

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Ambient conditions

| | |
|--|-------------------|
| Ambient temperature (operation) | -40 °C ... 125 °C |
| Permissible humidity (storage/transport) | 50 % ... 65 % |

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Drawings

Schematic diagram



Connector pin assignment

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619409>

|  cUL Recognized Approval ID: E335019-20141210 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 48 V | 4 A | 20 | - |

|  UL Recognized Approval ID: E335019-20141210 | | | | |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 48 V | 6 A | 20 | - |

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Classifications

ECLASS

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

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC002635 |
|-----------|----------|

UNSPSC

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

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Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

China RoHS

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|--|--|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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