**PHŒNIX CONTACT**

# Cable connector - CA-07S1N8AT007 - 1620256

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Cable connector, angled, shielded: yes, Screw locking, M23, No. of pos.: 7, type of contact: Socket, Crimp connection, cable diameter range: 6 mm ... 10 mm

The figure shows the 6-pos. product version

## Why buy this product

☑ 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

**RoHS**

## Key Commercial Data

| Packing unit | 1 STK |
|---|---|
| GTIN | 4 046356 818278 |
| GTIN | 4046356818278 |
| Custom tariff number | 85366990 |
| Country of origin | Germany |

## Technical data

### Temperature range

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

### Data of the insulating body

| Note | Order information: Order crimp contacts Ø 2 mm separately |
|---|---|

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## Technical data

### Data of the insulating body

| | |
|---|---|
| Coding | N |
| Insulator material | PA 6.6 |
| Contact connection method | Crimp connection |
| Type of contacts | Socket |
| Application | Signal |
| Number of positions | 7 |
| Contact diameter of power contacts | 2 mm |
| Nominal current per power contact at 25°C | 20 A |
| Nominal voltage, power contact | 300 V |
| Rated surge voltage | 2.5 kV |
| Overvoltage category | II |
| Degree of pollution | 3 |

### Housing data

| | |
|---|---|
| Housing material | Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn) |
| Type of locking | Screw locking |
| Degree of protection (when plugged in) | IP67 |
| Thread type | M23 |

### Cable seal data

| | |
|---|---|
| Cable diameter | 6 mm ... 10 mm |
| Sealing material | NBR |

### Environmental Product Compliance

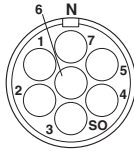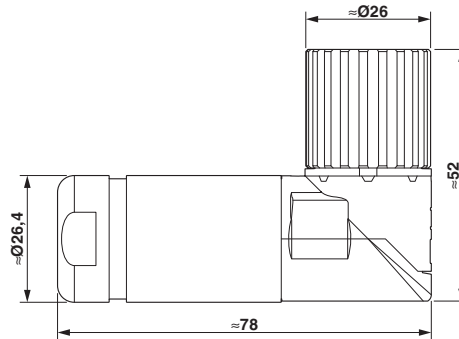| | |
|---|---|
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Drawings

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Schematic diagram

Dimensional drawing

## Classifications

### eCl@ss

| eCl@ss 4.0 | 272607xx |
|---|---|
| eCl@ss 4.1 | 272607xx |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27260702 |
| eCl@ss 7.0 | 27440102 |
| eCl@ss 8.0 | 27440102 |
| eCl@ss 9.0 | 27440103 |

### ETIM

| ETIM 3.0 | EC001121 |
|---|---|
| ETIM 4.0 | EC002635 |
| ETIM 5.0 | EC002635 |
| ETIM 6.0 | EC002635 |

### UNSPSC

| UNSPSC 6.01 | 43172015 |
|---|---|
| UNSPSC 7.0901 | 43201404 |
| UNSPSC 11 | 43172015 |
| UNSPSC 12.01 | 43201404 |
| UNSPSC 13.2 | 43201404 |

## Approvals

### Approvals

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## Approvals

Approvals

UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

## Approval details

| UL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E335019-20141210 |
|---|---|---|---|
| mm²/AWG/kcmil | | 14 | |
| Nominal current IN | | 17 A | |
| Nominal voltage UN | | 300 V | |

| cUL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E335019-20141210 |
|---|---|---|---|
| mm²/AWG/kcmil | | 14 | |
| Nominal current IN | | 10 A | |
| Nominal voltage UN | | 300 V | |

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

## Accessories

Accessories

Crimp contact

Crimp contact - RC-5CS2000 - 1603517

Crimp contact, turned, contact diameter: 2 mm, crimp range: 1 mm² ... 1.5 mm²

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## Accessories

Crimp contact - RC-5AS2000 - 1603509

Crimp contact, turned, contact diameter: 2 mm, crimp range: 1.5 mm² ... 2.5 mm²

Crimp contact - RC-5SS2000 - 1603530

Crimp contact, turned, contact diameter: 2 mm, crimp range: 0.5 mm² ... 0.75 mm²

Crimp contact - RC-59S2000 - 1603501

Crimp contact, turned, contact diameter: 2 mm, crimp range: 0.75 mm² ... 1 mm²

## Mounting material

Torque screwdriver - SF-Z0028 - 1607456

Torque screwdriver

Hook wrench - SF-Z0027 - 1607455

Hook wrench

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## Accessories

Color-coding - RF-Z0014 - 1620588

Color-coding, color: green

Color-coding - RF-Z0015 - 1620592

Color-coding, color: orange

Color-coding - RF-Z0016 - 1620593

Color-coding, color: black

## Protective cover

Plastic dust protection cap - RC-Z2058 - 1604223

Plastic dust protection cap for connectors with M23 knurled nuts

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

Plastic dust protection cap, anti-static, for connectors with M23 knurled nuts

# Cable connector - CA-07S1N8AT007 - 1620256

## Accessories

Metal dust protection cap - CA-Z0077 - 1627224

Metal dust protection cap with steel wire and loop, for M23 signal connectors with knurled nut for fastening to the cable