

## Cable connector - CA-09S1N8AT007 - 1620252

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Cable connector, angled, shielded: yes, Screw locking, M23, No. of pos.: 8+1, 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                 | <br>4 046356 818315 |
| GTIN                 | 4046356818315                                                                                           |
| 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 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                        | 9                |
| Contact diameter of power contacts         | 1 mm             |
| Nominal current per power contact at 25°C  | 8 A              |
| Nominal voltage, power contact             | 300 V            |
| Rated surge voltage                        | 2.5 kV           |
| Contact diameter of signal contacts        | 2 mm             |
| Nominal current per signal contact at 25°C | 20 A             |
| Nominal voltage, signal contact            | 300 V            |
| 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            |

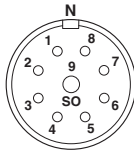
#### Environmental Product Compliance

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

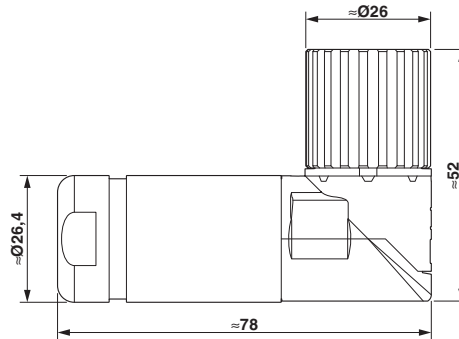
### Drawings

## Cable connector - CA-09S1N8AT007 - 1620252

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                  |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | E335019-20141210 |
|                                |                                                                                   |                                                                                                                                                       |                  |
| mm²/AWG/kcmil                  |                                                                                   | 20                                                                                                                                                    |                  |
| Nominal current I <sub>N</sub> |                                                                                   | 6 A                                                                                                                                                   |                  |
| Nominal voltage U <sub>N</sub> |                                                                                   | 300 V                                                                                                                                                 |                  |

|                                |                                                                                     |                                                                                                                                                       |                  |
|--------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| cUL Recognized                 |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | E335019-20141210 |
|                                |                                                                                     |                                                                                                                                                       |                  |
| mm²/AWG/kcmil                  |                                                                                     | 20                                                                                                                                                    |                  |
| Nominal current I <sub>N</sub> |                                                                                     | 4 A                                                                                                                                                   |                  |
| Nominal voltage U <sub>N</sub> |                                                                                     | 300 V                                                                                                                                                 |                  |

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

### Accessories

#### Accessories

#### Crimp contact

Crimp contact - RC-11S2000 - 1596772



Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.08 mm² ... 0.22 mm²

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### Accessories

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Crimp contact - RC-12S2000 - 1599600



Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.14 mm<sup>2</sup> ... 0.56 mm<sup>2</sup>

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Crimp contact - RC-1KS2000 - 1602998



Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.5 mm<sup>2</sup> ... 1 mm<sup>2</sup>

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Crimp contact - RC-5CS2000 - 1603517



Crimp contact, turned, contact diameter: 2 mm, crimp range: 1 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>

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Crimp contact - RC-5AS2000 - 1603509



Crimp contact, turned, contact diameter: 2 mm, crimp range: 1.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>

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Crimp contact - RC-5SS2000 - 1603530



Crimp contact, turned, contact diameter: 2 mm, crimp range: 0.5 mm<sup>2</sup> ... 0.75 mm<sup>2</sup>

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## Cable connector - CA-09S1N8AT007 - 1620252

### Accessories

Crimp contact - RC-59S2000 - 1603501



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

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### Mounting material

Torque screwdriver - SF-Z0028 - 1607456



Torque screwdriver

Hook wrench - SF-Z0027 - 1607455



Hook wrench

Color-coding - RF-Z0014 - 1620588



Color-coding, color: green

Color-coding - RF-Z0015 - 1620592



Color-coding, color: orange

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### Accessories

Color-coding - RF-Z0016 - 1620593



Color-coding, color: black

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### Protective cover

Plastic dust protection cap - RC-Z2058 - 1604223



Plastic dust protection cap for connectors with M23 knurled nuts

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



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

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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