

## Cable connector - CA-09P1N8AT0DNS - 1619439

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Cable connector, angled, shielded: yes, SPEEDCON locking, M23, No. of pos.: 8+1, type of contact: Pin, Crimp connection, cable diameter range: 3 mm ... 14.5 mm



The figure shows the 6-pos. product version with solder contacts

### 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
- ✓ Reduced connection time with SPEEDCON fast locking system
- ✓ Crimping connection: vibration- and temperature-resistant assembly



### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 STK                                                                                                   |
| GTIN                                 | <br>4 046356 824088 |
| GTIN                                 | 4046356824088                                                                                           |
| Weight per Piece (excluding packing) | 180.000 g                                                                                               |
| Custom tariff number                 | 85366990                                                                                                |
| Country of origin                    | Germany                                                                                                 |

### Technical data

#### Temperature range

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

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### Technical data

#### Data of the insulating body

|                                            |                                                    |
|--------------------------------------------|----------------------------------------------------|
| Note                                       | Order information: Order crimp contacts separately |
| Coding                                     | N                                                  |
| Insulator material                         | PA 6.6                                             |
| Contact connection method                  | Crimp connection                                   |
| Type of contacts                           | Pin                                                |
| 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                       | Metal            |
| Type of locking                        | SPEEDCON locking |
| Degree of protection (when plugged in) | IP67             |
| Thread type                            | M23              |

#### Cable seal data

|                  |                  |
|------------------|------------------|
| Cable diameter   | 3 mm ... 14.5 mm |
| Sealing material | NBR              |

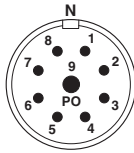
#### Environmental Product Compliance

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

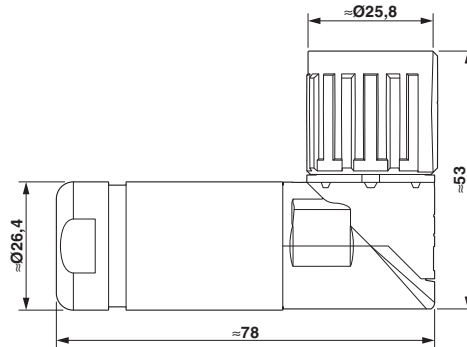
### Drawings

## Cable connector - CA-09P1N8AT0DNS - 1619439

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-5CP2000 - 1603513



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

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### Accessories

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#### Crimp contact - RC-5AP2000 - 1603505



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-5SP2000 - 1603529



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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#### Crimp contact - RC-12P2000 - 1597862



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-11P2000 - 1596770



Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.08 mm<sup>2</sup> ... 0.22 mm<sup>2</sup>

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#### Crimp contact - RC-1KP2000 - 1602996



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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### Accessories

Crimp contact - RC-22P2400 - 1603325



Crimp contact, rolled, number of pieces per reel: 10000, contact diameter: 1 mm, crimp range: 0.22 mm<sup>2</sup> ... 0.56 mm<sup>2</sup>

Crimp contact - RC-22P2000 - 1603321



Crimp contact, rolled, Single contact, contact diameter: 1 mm, crimp range: 0.22 mm<sup>2</sup> ... 0.56 mm<sup>2</sup>

Crimp contact - RC-22P2300 - 1603324



Crimp contact, rolled, Taped articles, number of pieces per reel: 500, contact diameter: 1 mm, crimp range: 0.22 mm<sup>2</sup> ... 0.56 mm<sup>2</sup>

### 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

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Color-coding - RF-Z0015 - 1620592



Color-coding, color: orange

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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

