

## Cable connector - CA-09P1N8AT006S - 1619413

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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: 4 mm ... 6 mm



The figure shows the 6-pos. 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



### Key Commercial Data

|              |               |
|--------------|---------------|
| Packing unit | 1 pc          |
| GTIN         |               |
| GTIN         | 4046356824347 |

### Technical data

#### Temperature range

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

#### Data of the insulating body

|                           |                                                                           |
|---------------------------|---------------------------------------------------------------------------|
| Note                      | Order information: Order crimp contacts 8 x Ø 1 mm, 1 x Ø 2 mm separately |
| Coding                    | N                                                                         |
| Insulator material        | PA 6.6                                                                    |
| Contact connection method | Crimp connection                                                          |
| Type of contacts          | Pin                                                                       |

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## Technical data

### Data of the insulating body

|                                                 |                      |
|-------------------------------------------------|----------------------|
| Application                                     | Signal               |
| Number of positions                             | 9                    |
| Contact diameter of power contacts              | 2 mm                 |
| Litz wire cross section of power contacts min.  | 1 mm <sup>2</sup>    |
| Litz wire cross section of power contacts max.  | 2.5 mm <sup>2</sup>  |
| 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                    |
| Contact diameter of signal contacts             | 1 mm                 |
| Litz wire cross section of signal contacts min. | 0.08 mm <sup>2</sup> |
| Litz wire cross section of signal contacts max. | 1 mm <sup>2</sup>    |
| Nominal current per signal contact at 25°C      | 8 A                  |
| Nominal voltage, signal contact                 | 300 V                |
| Rated surge voltage                             | 2.5 kV               |
| 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   | 4 mm ... 6 mm |
| Sealing material | NBR           |

### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
|            | Lead 7439-92-1                                                                                      |
| China RoHS | Environmentally Friendly Use Period = 50                                                            |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Approvals

### Approvals

Approvals


UL Recognized / cUL Recognized / cULus Recognized


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## Approvals

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 |
| Nominal voltage UN         |                                                                                   | 300 V                                                                                                                                                                  |
| Nominal current IN         |                                                                                   | 6 A                                                                                                                                                                    |
| mm <sup>2</sup> /AWG/kcmil |                                                                                   | 20                                                                                                                                                                     |

|                            |                                                                                   |                                                                                                                                                                        |
|----------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |
| Nominal voltage UN         |                                                                                   | 300 V                                                                                                                                                                  |
| Nominal current IN         |                                                                                   | 4 A                                                                                                                                                                    |
| mm <sup>2</sup> /AWG/kcmil |                                                                                   | 20                                                                                                                                                                     |

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

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