

## Coupler connector - ST-6ES1N8A9004S - 1613584

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Coupler connector, straight, for standard and SPEEDCON interlock, M17, number of positions: 6+PE, type of contact: Socket, Crimp connection, shielded: yes, cable diameter range: 8 mm ... 10 mm

The figure shows the 4-pos. (3+PE) product version

### Your advantages

- Consistent EMC protection for reliable connection solutions in the industrial environment
- Crimping connection: vibration- and temperature-resistant assembly
- Flexible use: reliably connect various cable diameters



### Key Commercial Data

|                                      |               |
|--------------------------------------|---------------|
| Packing unit                         | 1 pc          |
| GTIN                                 |               |
| GTIN                                 | 4046356401326 |
| Weight per Piece (excluding packing) | 51.170 g      |
| Custom tariff number                 | 85366990      |
| Country of origin                    | Germany       |

### Technical data

#### General

|  |   |
|--|---|
| Note   | Order information: Order crimp contacts Ø 1 mm separately |
| Type of locking                                    | for standard and SPEEDCON interlock                       |
| Direction of rotation of contact chamber numbering | Standard  |
| Coding   | N   |
| Contact connection method                          | Crimp connection  |
| Type of contacts                                   | Socket  |
| Number of positions                                | 7   |
| Contact diameter of power contacts                 | 1 mm  |
| Nominal current per power contact at 25°C          | 14 A  |

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## Technical data

### General

|                                     |                |
|-------------------------------------|----------------|
| Contact diameter of signal contacts | 1 mm           |
| Conductor entry                     | 8 mm ... 10 mm |
| Pg housing screw connection         | none           |

### Ambient conditions

|                      |                   |
|----------------------|-------------------|
| Ambient temperature  | -40 °C ... 125 °C |
| Degree of protection | IP67              |

### Material

|                            |  |
|----------------------------|--|
| Housing material           | Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn) |
| Insulator material         | PA 6.6   |
| Gasket and O-ring material | FPM  |

### Specifications according to DIN EN 61984:2001

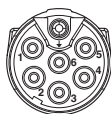
|   |        |
|---|--------|
| Installation height max.                      | 3000 m |
| Nominal / operating voltage of power contacts | 630 V  |
| Rated surge voltage of power contacts         | 6 kV   |
| Overvoltage category of power contacts        | III    |
| Degree of pollution of power contacts         | 3      |

### Environmental Product Compliance

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

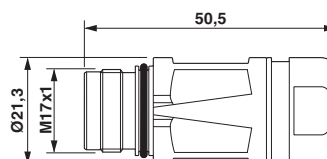
## Drawings

Schematic diagram



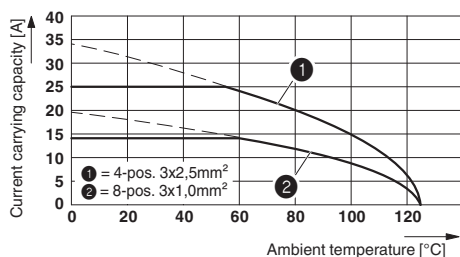
Connector pin assignment

Dimensional drawing

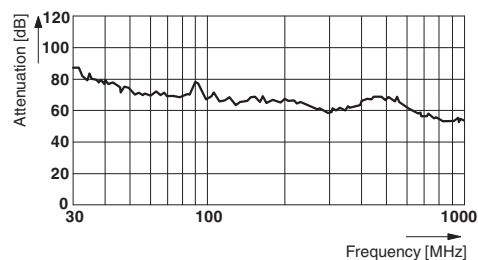


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Diagram



Diagram



## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260700 |
| eCl@ss 6.0 | 27260700 |
| eCl@ss 7.0 | 27440102 |
| eCl@ss 8.0 | 27440102 |
| eCl@ss 9.0 | 27440103 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC001121 |
| ETIM 5.0 | EC002635 |
| ETIM 6.0 | EC002061 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 43172015 |
| UNSPSC 7.0901 | 43201404 |
| UNSPSC 11     | 43172015 |
| UNSPSC 12.01  | 43201404 |
| UNSPSC 13.2   | 39121413 |

## Approvals

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#### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

#### Ex Approvals

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## 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> | FILE E 335019 |
|                            |       |   |               |
| Nominal voltage UN         | 600 V |   |               |
| Nominal current IN         | 6 A   |   |               |
| mm <sup>2</sup> /AWG/kcmil | 18    |   |               |

|                            |       |   |               |
|----------------------------|-------|---|---------------|
| 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> | FILE E 335019 |
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|     |  |         |
|-----|--|---------|
| EAC |  | B.01742 |
|-----|--|---------|

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

## Accessories

### Accessories

#### Crimp contact

Crimp contact - ST-10KS010 - 1618239



Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.06 mm<sup>2</sup> ... 0.25 mm<sup>2</sup>

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### Accessories

Crimp contact - ST-10KS020 - 1618251



Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.34 mm<sup>2</sup> ... 0.5 mm<sup>2</sup>

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Crimp contact - ST-10KS030 - 1618254



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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### Mounting material

Color-coding - ST-Z0016 - 1617993



Color-coding, color: green

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Color-coding - ST-Z0017 - 1618049



Color-coding, color: orange

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Color-coding - ST-Z0018 - 1618050



Color-coding, color: black

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## Coupler connector - ST-6ES1N8A9004S - 1613584

### Accessories

Square mounting flange with O-ring - ST-Z0002 - 1607771



Square mounting flange with O-ring, Axial O-ring, 4x Ø2,7

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Square mounting flange with O-ring - ST-Z0003 - 1607772



Square mounting flange with O-ring, Axial O-ring, 4xM3

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Square mounting flange - ST-Z0004 - 1607773



Square mounting flange, 4x Ø2,7

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Square mounting flange - ST-Z0005 - 1607775



Square mounting flange, 4xM3

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### Protective cover

Protective cap - ST-Z0006 - 1607776



Plastic protection cap for connectors with M17 external thread

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## Coupler connector - ST-6ES1N8A9004S - 1613584

### Accessories

Metal protective cap - ST-Z0014 - 1616069



Metal protection cap for connectors with M17 external thread

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Metal protective cap - ST-Z0013 - 1616068



Metal protection cap with steel wire for connectors with M17 external thread

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