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## Device connector, front mounting - ST-7ES1N8A6100S - 1613592

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(<http://download.phoenixcontact.com>)



Device connector, front mounting, straight, SPEEDCON locking, M17, Number of positions: 7+PE, Type of contact: Socket, Crimp connection, Axial O-ring, Central fixing, Shielded: Yes

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



### Key commercial data

|                                      |           |
|--------------------------------------|-----------|
| Packing unit                         | 1 1       |
| Weight per Piece (excluding packing) | 18.91 GRM |
| Custom tariff number                 | 85366990  |
| Country of origin                    | Germany   |

### Technical data

#### General

|                                                    |                                                          |
|----------------------------------------------------|----------------------------------------------------------|
| Note                                               | Order information Order crimp contacts Ø 1 mm separately |
| Type of locking                                    | SPEEDCON locking                                         |
| Direction of rotation of contact chamber numbering | Standard                                                 |
| Coding                                             | N                                                        |
| Contact connection method                          | Crimp connection                                         |
| Type of contacts                                   | Socket                                                   |
| Number of positions                                | 8                                                        |
| Contact diameter of power contacts                 | 1 mm                                                     |
| Nominal current per power contact at 25°C          | 14 A                                                     |
| Contact diameter of signal contacts                | 1 mm                                                     |
| Mounting type                                      | Central fixing                                           |

#### Ambient conditions

|                      |                   |
|----------------------|-------------------|
| Ambient temperature  | -20 °C ... 125 °C |
| Degree of protection | IP67              |

## Device connector, front mounting - ST-7ES1N8A6100S - 1613592

### Technical data

#### Material

|                            |                                                                      |
|----------------------------|----------------------------------------------------------------------|
| Housing material           | Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn) |
| Insulator material         | PA 66                                                                |
| 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   |
| Surge voltage category of power contacts      | III    |
| Pollution degree of power contacts            | 3      |

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27260708 |
| eCl@ss 7.0 | 27440312 |
| eCl@ss 8.0 | 27440312 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC001121 |
| ETIM 5.0 | 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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## Device connector, front mounting - ST-7ES1N8A6100S - 1613592

### Approvals

Approvals

GOST

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Ex Approvals

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Approvals submitted

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### Approval details

GOST 

### 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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Crimp contact - ST-10KS020 - 1618251



Crimp contact, turned, Single contact, Contact diameter: 1 mm, Crimp range: 0.35 mm<sup>2</sup>...0.5 mm<sup>2</sup>

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## Device connector, front mounting - ST-7ES1N8A6100S - 1613592

### Accessories

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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Crimp contact - SF-10KS320 - 1607031



Crimp contact, Rolled, Taped articles, Contact diameter: 1 mm, Crimp range: 0.06 mm<sup>2</sup>...0.25 mm<sup>2</sup>

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Crimp contact - SF-10KS350 - 1607032



Crimp contact, Rolled, Taped articles, Contact diameter: 1 mm, Crimp range: 0.2 mm<sup>2</sup>...0.56 mm<sup>2</sup>

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Crimp contact - SF-10KS330 - 1607358



Crimp contact, Rolled, Taped articles, Contact diameter: 1 mm, Crimp range: 0.06 mm<sup>2</sup>...0.25 mm<sup>2</sup>

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Crimp contact - SF-10KS360 - 1607361



Crimp contact, turned, Taped articles, Contact diameter: 1 mm, Crimp range: 0.2 mm<sup>2</sup>...0.56 mm<sup>2</sup>

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### Protective cover

# Device connector, front mounting - ST-7ES1N8A6100S - 1613592

## Accessories

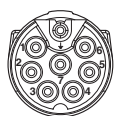
Plastic dust protection cap - ST-Z0006 - 1607776



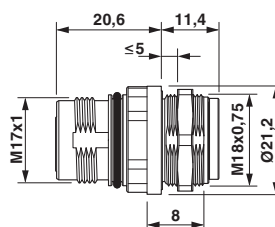
Plastic dust protection cap

## Drawings

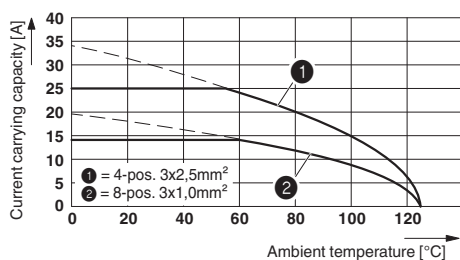
Schematic diagram



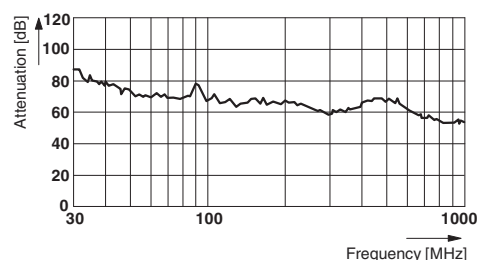
Dimensioned drawing



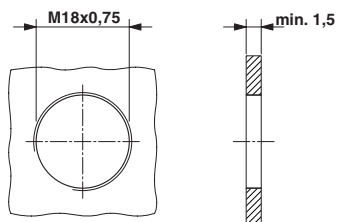
Diagram



Diagram

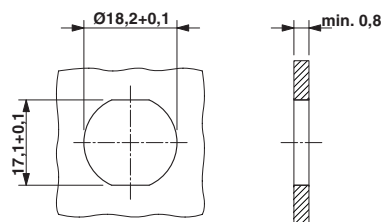


Dimensioned drawing



Installation dimensions: mounting with thread

Dimensioned drawing



Installation dimensions: mounting with anti-rotation protection and locking nut

