

ST-6ES1N8A8002S - Cable connector



1613576

<https://www.phoenixcontact.com/us/products/1613576>

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

Cable connector, application: Power, straight, SPEEDCON, M17, number of positions: 6+PE, contact connection type: Socket, shielded: yes, cable diameter range: 3.5 mm ... 5 mm, number of positions: 7, connection method: Crimp connection, series: ST

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1613576 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | NULL |
| Product key | ABRBEB |
| GTIN | 4046356401258 |
| Weight per piece (including packing) | 58.84 g |
| Weight per piece (excluding packing) | 58.84 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

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Technical data

Notes

| | |
|--------------------|--|
| Order information: | Order crimp contacts Ø 1 mm separately |
|--------------------|--|

Product properties

| | |
|---------------------|---------------------------------|
| Product type | Circular connector (cable-side) |
| Series | ST |
| Application | Power |
| Number of positions | 7 |
| Connection profile | 6+PE |
| Shielded | yes |
| Coding | N |
| Thread type | M17 |

Material specifications

| | |
|----------------------------|--|
| Seal material | FPM |
| Housing material | Metal |
| 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 |

Connection data

Conductor connection

| | |
|-------------------|------------------|
| Connection method | Crimp connection |
|-------------------|------------------|

Electrical properties

Contact: Contact group 1

| | |
|-----------------------|-------|
| Contact diameter | 1 mm |
| Nominal current I_N | 14 A |
| Nominal voltage U_N | 630 V |
| Overvoltage category | III |
| Degree of pollution | 3 |
| Rated surge voltage | 6 kV |

Contact: Contact group 2

| | |
|------------------|------|
| Contact diameter | 1 mm |
|------------------|------|

Connector

| | |
|-----------------------|----------|
| Type | straight |
| Direction of rotation | Standard |

Cable/line

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| | |
|-------------------------|-----------------|
| External cable diameter | 3.5 mm ... 5 mm |
|-------------------------|-----------------|

Environmental and real-life conditions

Ambient conditions

| | |
|---------------------------------|-------------------|
| Degree of protection | IP67 |
| Ambient temperature (operation) | -40 °C ... 125 °C |
| Altitude | 3000 m |

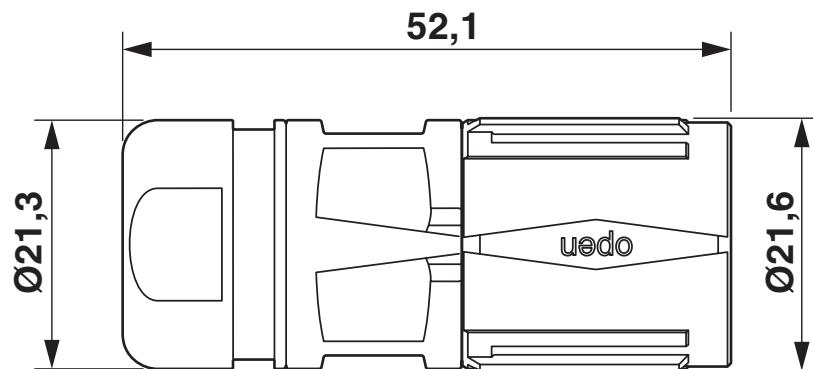
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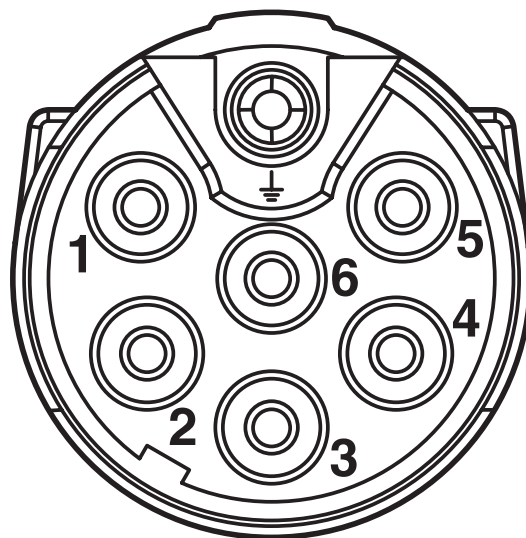
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Drawings

Dimensional drawing



Schematic diagram



Connector pin assignment

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I = current strength, ϑ = ambient temperature, 3x 14 A + 2x 2 A constant

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Environmental product compliance

EU REACH SVHC

| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|
|-------------------------------------|----------------------------|

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