

ST-6ES1N8AQ003S - Coupler connector



1614610

<https://www.phoenixcontact.com/us/products/1614610>

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Coupler connector, application: Power, straight, SPEEDCON, M17, number of positions: 6+PE, contact connection type: Socket, shielded: yes, cable diameter range: 5 mm ... 8 mm, number of positions: 7, connection method: Crimp connection, series: ST

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

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1614610 |
| Packing unit | 20 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Product key | ABRBEJ |
| GTIN | 4046356748964 |
| Weight per piece (including packing) | 60.7 g |
| Weight per piece (excluding packing) | 60.7 g |
| Country of origin | DE |

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Technical data

Product properties

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

Material specifications

| | |
|------------------|-------|
| Seal material | FKM |
| Housing material | GD-Zn |

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 |
|------------------|------|

Connection data

Conductor connection

| | |
|-------------------------|------------------|
| Connection method | Crimp connection |
| Contact connection type | Socket |

Connector

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

Cable/line

| | |
|-------------------------|---------------|
| External cable diameter | 5 mm ... 8 mm |
|-------------------------|---------------|

Environmental and real-life conditions

Ambient conditions

| | |
|----------------------|----------------------------|
| Degree of protection | IP67, when in locked state |
|----------------------|----------------------------|

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| | |
|---------------------------------|-------------------|
| Ambient temperature (operation) | -40 °C ... 125 °C |
| Altitude | 3000 m |

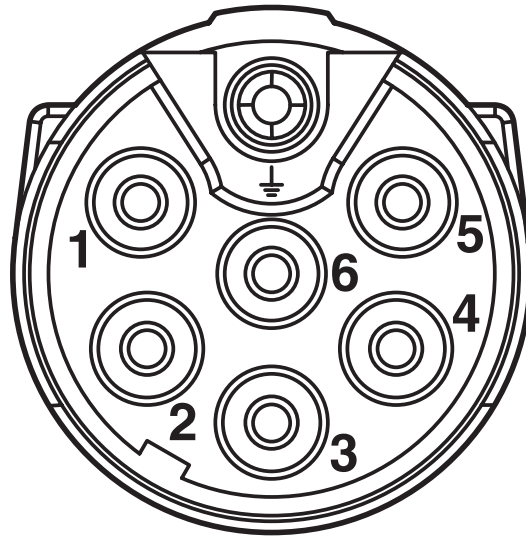
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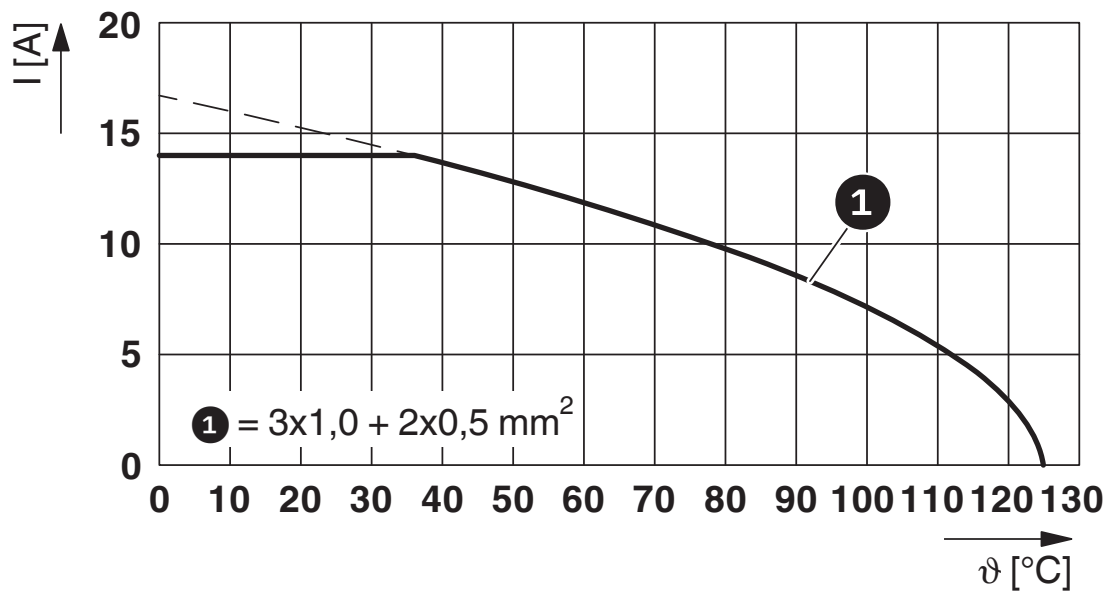
Drawings

Schematic diagram



Connector pin assignment

Diagram



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

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Environmental product compliance

China RoHS

| | |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

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

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com