

# 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
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### 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
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### 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

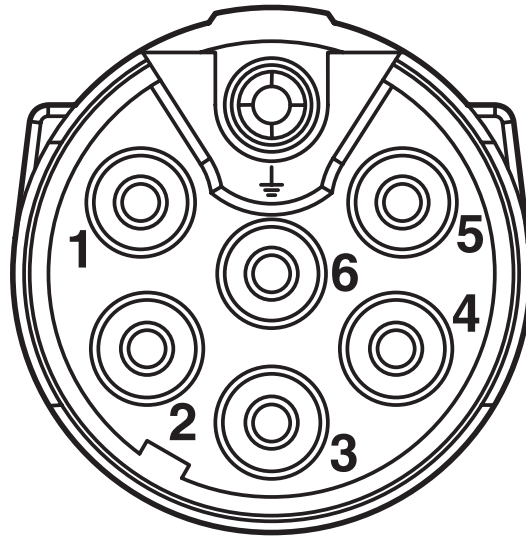
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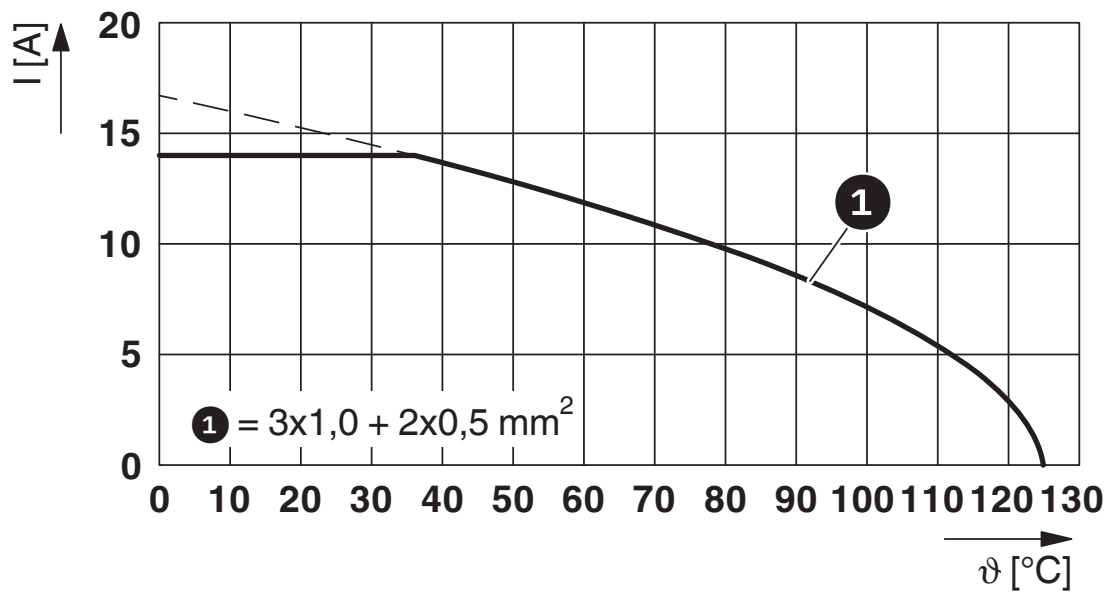
## Drawings

Schematic diagram



Connector pin assignment

Diagram



I = current strength,  $\vartheta$  = 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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