

# ST-5ES1N8AQ003S - Coupler connector



1614604

<https://www.phoenixcontact.com/us/products/1614604>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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

## Commercial data

Item number	1614604
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRBEJ
GTIN	4046356748957
Weight per piece (including packing)	60.575 g
Weight per piece (excluding packing)	60.575 g
Country of origin	DE

# ST-5ES1N8AQ003S - Coupler connector



1614604

<https://www.phoenixcontact.com/us/products/1614604>

## Technical data

### Product properties

Series	ST
Application	Power
Number of positions	6
Connection profile	5+PE
Shielded	yes
Coding	N
Thread type	M17

### 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

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

### Material specifications

Seal material	FKM
Housing material	GD-Zn

### 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 IP44 (panel feed-through)
Ambient temperature (operation)	-40 °C ... 125 °C
Altitude	3000 m

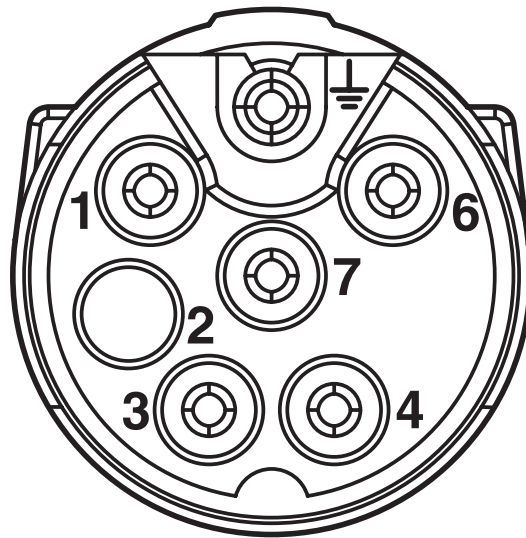
# ST-5ES1N8AQ003S - Coupler connector

1614604

<https://www.phoenixcontact.com/us/products/1614604>

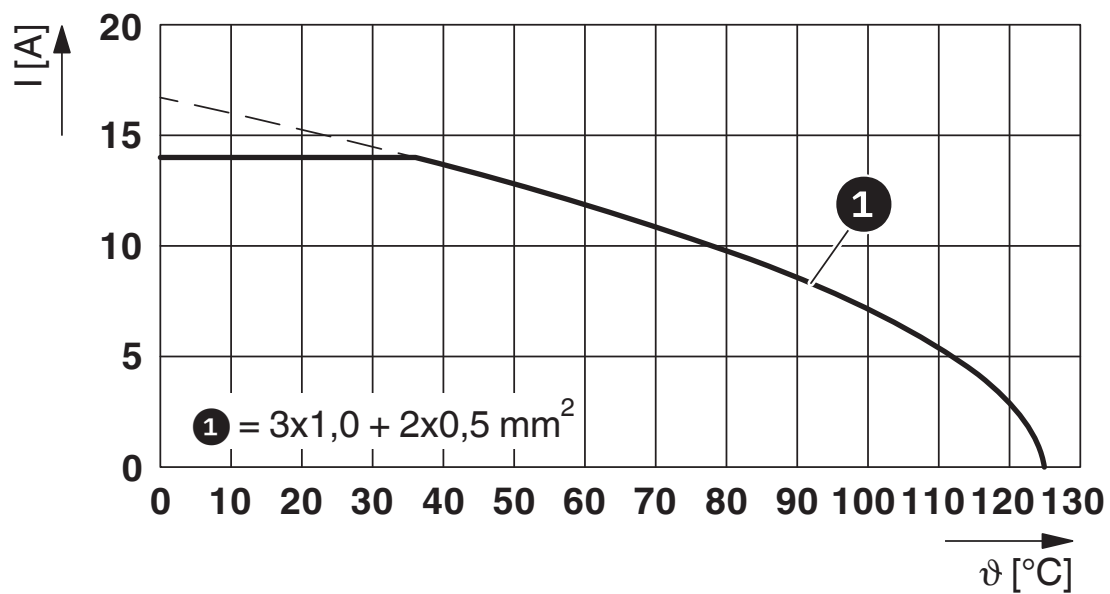
## Drawings

Schematic diagram



Connector pin assignment

Diagram



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

# ST-5ES1N8AQ003S - Coupler connector



1614604

<https://www.phoenixcontact.com/us/products/1614604>

## 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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

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