

ST-3EP1N8AQ003S - Coupler connector



1614595

<https://www.phoenixcontact.com/us/products/1614595>

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

Coupler connector, application: Power, straight, SPEEDCON, M17, number of positions: 3+PE, contact connection type: Pin, cable diameter range: 5 mm ... 8 mm, number of positions: 4, connection method: Crimp connection, series: ST

Commercial data

Item number	1614595
Packing unit	30 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRBEJ
GTIN	4046356761598
Weight per piece (including packing)	95.1 g
Weight per piece (excluding packing)	56.66 g
Country of origin	DE

Technical data

Notes

Safety note

<p>Safety note</p>	<p>WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.</p> <ul style="list-style-type: none"> • WARNING: Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective products immediately. Replace damaged products. Repairs are not possible. • WARNING: Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product. • The products are suitable for applications in plant, controller, and electrical device engineering. • When operating the connectors in outdoor applications, they must be separately protected against environmental influences. • Assembled products may not be manipulated or improperly opened. • Only use mating connectors that are specified in the technical data of the standards listed (e.g. the ones listed in the product accessories online at phoenixcontact.com/products). • When using the product in direct connection with third-party manufacturers, the user is responsible. • For operating voltages > 50 V AC, conductive connector housings must be grounded • Ensure that the protective or functional ground has been properly connected. • VDE 0100/1.97 § 411.1.3.2 and DIN EN 60 204/11.98 § 14.1.3 are applicable when combining several circuits in a cable and/or connector • Only use tools recommended by Phoenix Contact • The installation notes/Design In documents online on the download page at phoenixcontact.com/products must be observed for this product. • Operate the connector only when it is fully plugged in and interlocked. • Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards. • Observe the minimum bending radius of the cable. Lay the cable without twisting it. • The connector warms up in normal operation. Depending on the ambient conditions, the surface of the connector can continue to warm up. In this case, the user is responsible for posting warnings (e.g. DIN EN ISO 13732-1:2008-12).
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Product properties

Series	ST
Application	Power
Number of positions	4
Connection profile	3+PE
Coding	N
Thread type	M17

Electrical properties

Contact: Contact group 1

Contact diameter	2 mm
Nominal current I_N	25 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	2 mm
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Connection data

Connection method	Crimp connection
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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
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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

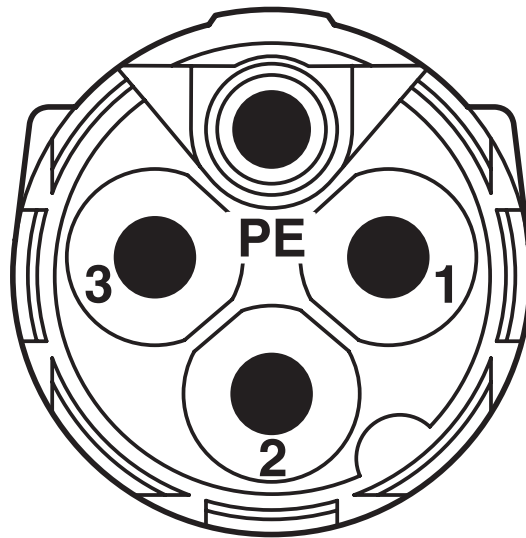
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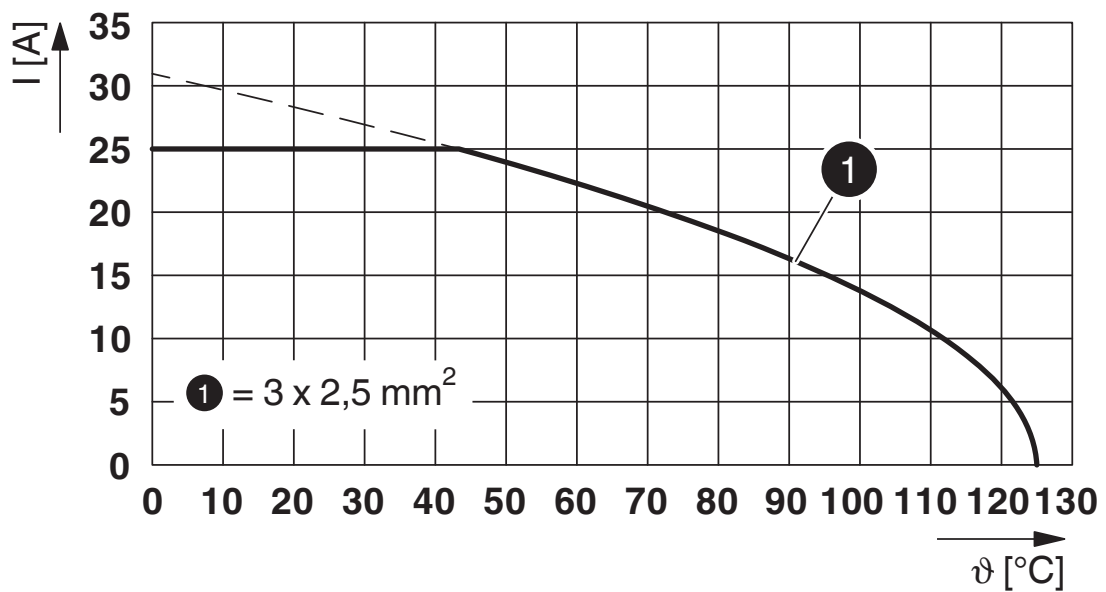
Drawings

Schematic diagram



Connector pin assignment

Diagram



I = current strength, ϑ = ambient temperature, 3x 25 A

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Classifications

UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

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.)	Lead(CAS: 7439-92-1)
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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com