ST-3ES1N8A9005S - Coupler connector

1624539

https://www.phoenixcontact.com/gb/products/1624539

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CRIMP



The figure shows the product with assembled crimp contacts. Please order crimp contacts separately.

Coupler connector, application: Power, straight, for standard and SPEEDCON interlock, M17, number of positions: 3+PE, contact connection type: Socket, shielded: yes, degree of protection: IP67, cable diameter range: 10 mm ... 12.5 mm, number of positions: 4, connection method: Crimp connection, series: ST, This product is in the process of being discontinued. This product must no longer be considered for new projects. Please contact your sales representative for alternatives. Alternative products: 1628957

Your advantages

- Consistent EMC protection for reliable connection solutions in the industrial environment
- Crimping connection: vibration- and temperature-resistant assembly
- Flexible use: reliably connect various cable diameters

Commercial data

Item number	1624539
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	ABRBEG
Product key	ABRBEG
GTIN	4046356622714
Weight per piece (including packing)	61.4 g
Weight per piece (excluding packing)	46.312 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

Order information:	Order crimp contacts Ø 2 mm separately

Safety note

Safety note	• 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.

Product properties

Product type	Circular connector (cable-side)
Series	ST
Application	Power
Number of positions	4
Connection profile	3+PE
Shielded	yes
Coding	N
Thread type	M17

Material specifications

Material Housing	Metal
Material Seal	FPM

Connection data

Conductor connection

Connection method	Crimp connection

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

Connector

Type	straight
Direction of rotation	Standard

Connection 1

Head design	Socket

Cable/line

External cable diameter	10 mm ... 12.5 mm

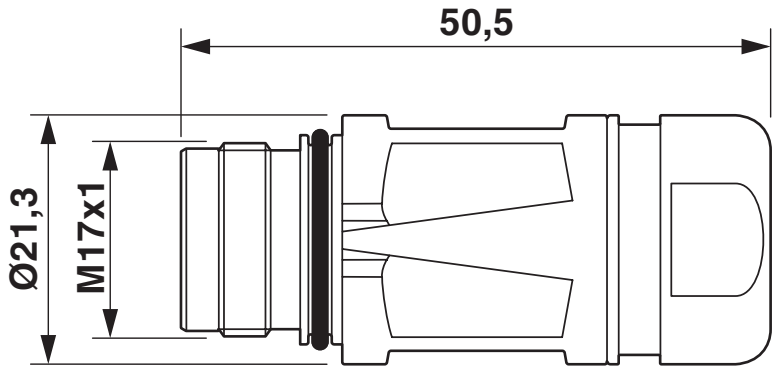
Environmental and real-life conditions

Ambient conditions

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

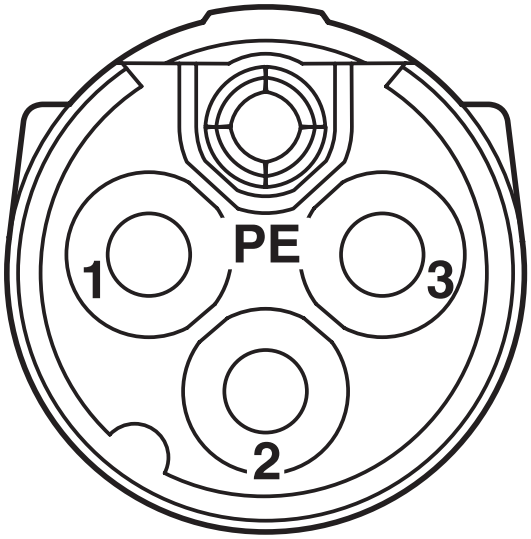
Drawings

Dimensional drawing



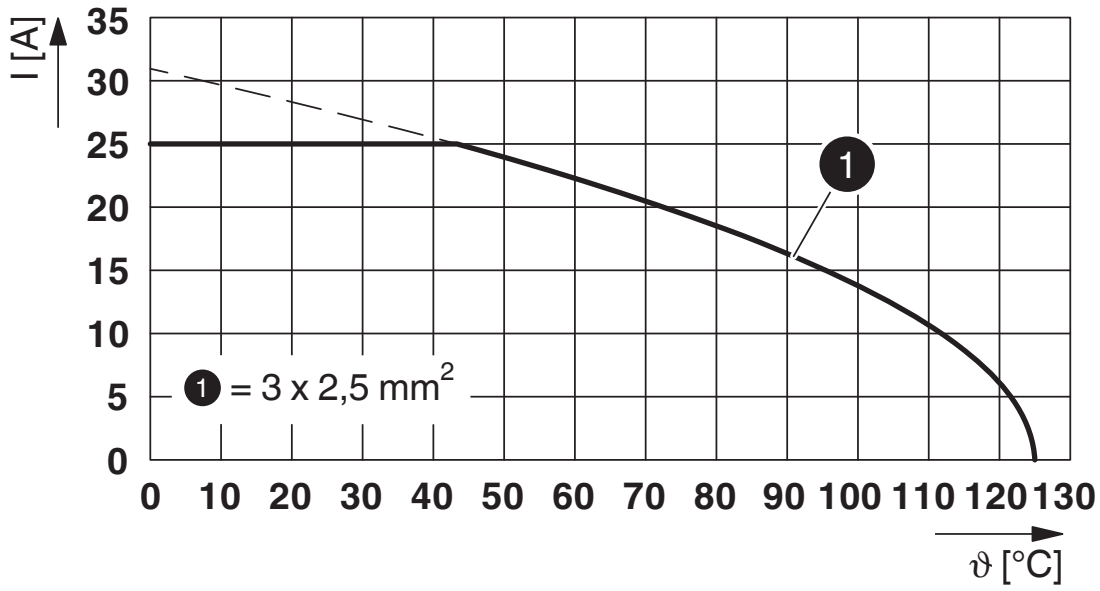
Technical drawings can be found under Downloads

Schematic diagram



Connector pin assignment

Diagram



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

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/1624539

cUL Recognized
Approval ID: E335019-20111129

UL Recognized
Approval ID: E335019-20111129

UL Listed
Approval ID: E468743-20210825

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Power	600 V	20 A	14	14

cUL Listed
Approval ID: E468743-20210825

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Power	600 V	18 A	14	-

UL Recognized
Approval ID: E153698-20140124

cUL Recognized
Approval ID: E153698-20140124

Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

ETIM

ETIM 10.0	EC002635

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

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

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PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk