ST-8ES1N8A9K03S - Coupler connector

1618749

https://www.phoenixcontact.com/us/products/1618749

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CRIMP



The figure shows the 8-position version.

Coupler connector, application: Power, straight, for standard and SPEEDCON interlock, M17, number of positions: 5+3+PE, contact connection type: Socket, shielded: yes, degree of protection: IP67, cable diameter range: 5 mm ... 9.2 mm, number of positions: 9, connection method: Crimp connection, series: ST

Your advantages

- Reduced size: ideal for compact devices
- 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	1618749
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB38
Product key	ABRBEG
GTIN	4046356811156
Weight per piece (including packing)	43.3 g
Weight per piece (excluding packing)	30.916 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

Order information:	Order crimp contacts 5 x 0.6 mm, 4 x Ø 1 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.
	• The products are suitable for applications in plant, controller, and electrical device engineering.
	• Assembled products may not be manipulated or improperly opened.
	• When using the product in direct connection with third-party manufacturers, the user is responsible.
	• Ensure that the protective or functional ground has been properly connected.
	• Only use tools recommended by Phoenix Contact
	• Operate the connector only when it is fully plugged in and interlocked.
	• Observe the minimum bending radius of the cable. Lay the cable without twisting it.

Product properties

Product type	Circular connector (cable-side)
Series	ST
Application	Power
Number of positions	9
Connection profile	5+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	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	0.6 mm
Nominal current I_N	3.6 A
Nominal voltage U_N	60 V
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	1.5 kV

Connector

Type	straight
Direction of rotation	Standard

Connection 1

Head design	Socket

Cable/line

External cable diameter	5 mm ... 9.2 mm

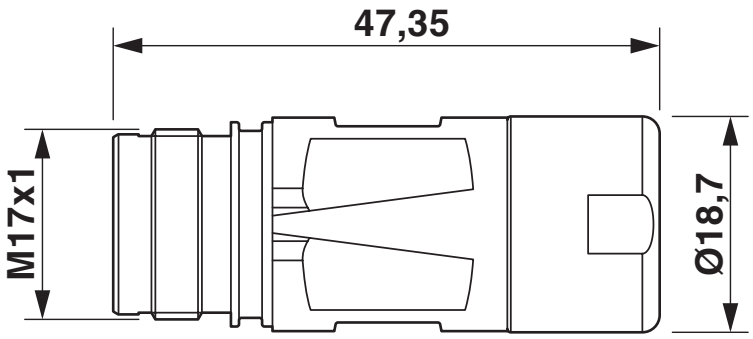
Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-40 °C ... 125 °C
Altitude	2000 m

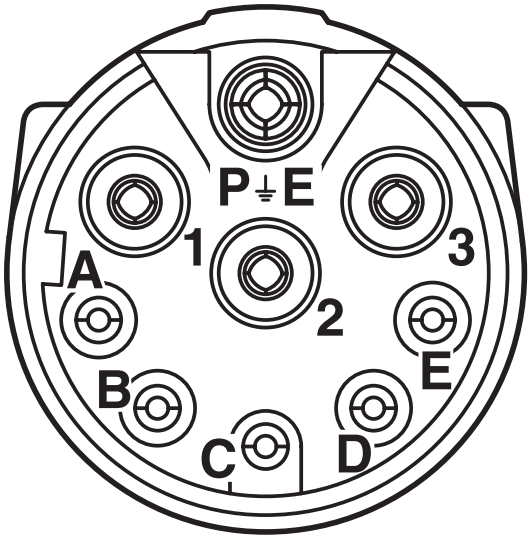
Drawings

Dimensional drawing



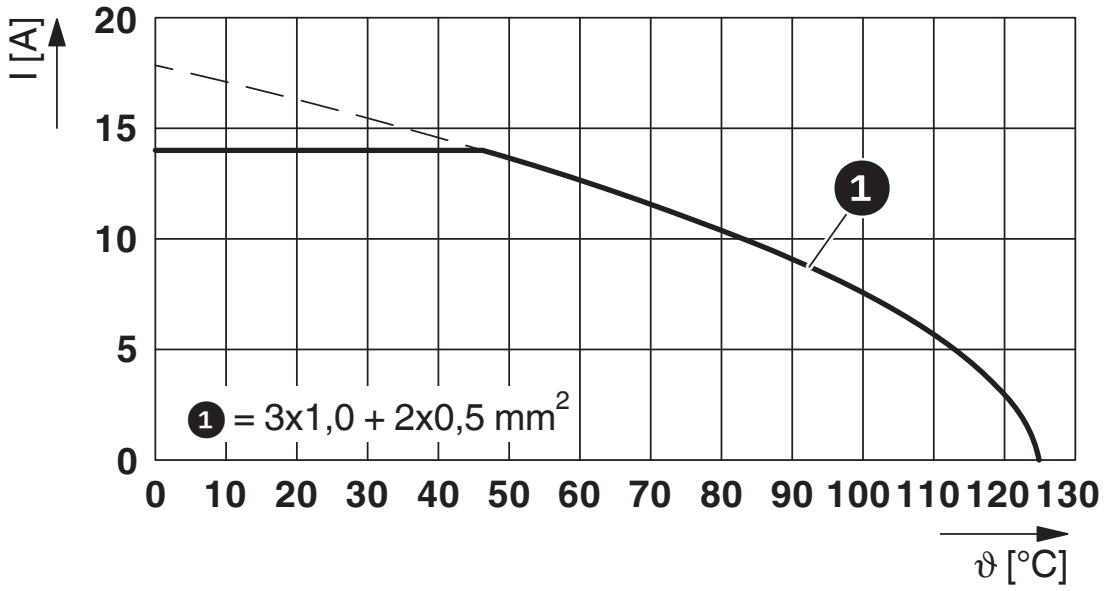
Technical drawings can be found under Downloads

Schematic diagram



Connector pin assignment

Diagram



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

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
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)
SCIP	80541c95-69ee-4256-a3c1-544f641f498c

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