ST-8ES1N8A8003S - Cable connector

1613620

https://www.phoenixcontact.com/us/products/1613620

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CRIMP



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

Cable connector, application: Power, straight, SPEEDCON, M17, number of positions: 5+3+PE, contact connection type: Socket, shielded: yes, degree of protection: IP67, cable diameter range: 5 mm ... 8 mm, number of positions: 9, connection method: Crimp connection, series: ST, this item is expected to be lead-free from Q4 2025 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

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
- Molded designs with preassembled cables on one or both sides

Commercial data

Item number	1613620
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB32
Product key	ABRBEB
GTIN	4046356442305
Weight per piece (including packing)	58.9 g
Weight per piece (excluding packing)	58.652 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	GD-Zn
Material Rotating parts	CuZn
Material Housing surface	Ni
Material Seal	FPM
Seal material	FPM

Connection data

Conductor connection

Connection method	Crimp connection

Electrical properties

Contact: Contact group 1

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

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
Head cable outlet	straight
Head thread type	M17

Cable/line

External cable diameter	5 mm ... 8 mm

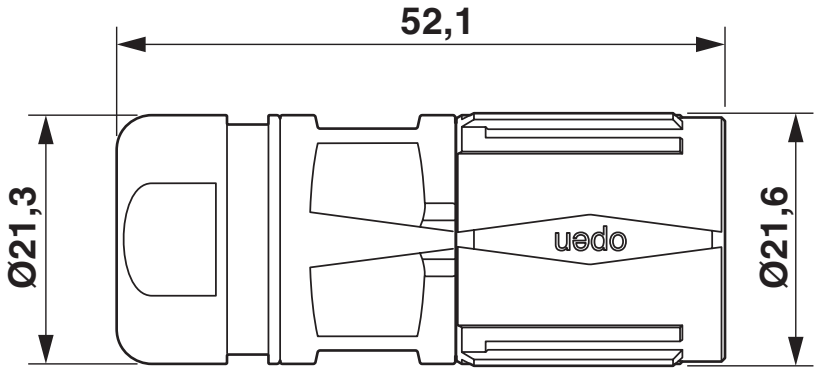
Environmental and real-life conditions

Ambient conditions

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

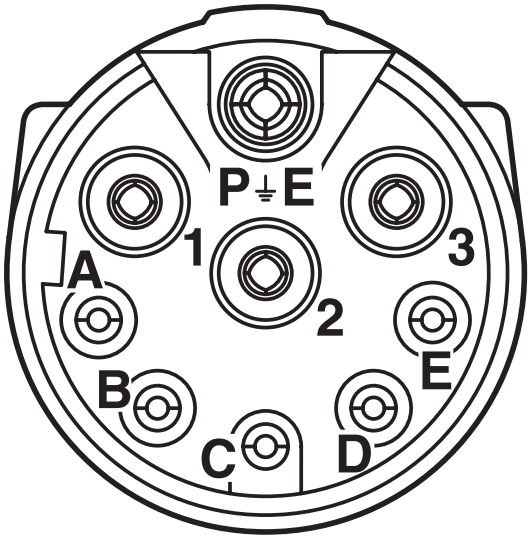
Drawings

Dimensional drawing



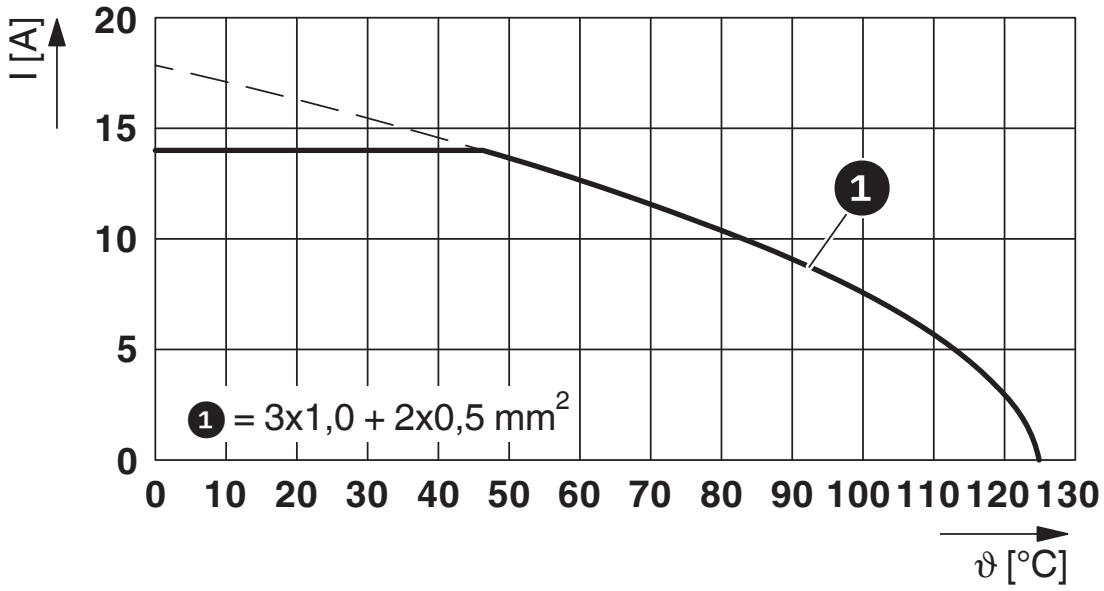
Technical drawings can be found under Downloads

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	a036ebe3-02d4-4db3-8758-899cdb9d1916

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