ST-8ES1N8ACK02S - Panel feed-through

1618825

https://www.phoenixcontact.com/pc/products/1618825

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Panel feed-through, straight, SPEEDCON, M17, number of positions: 5+3+PE, contact connection type: Socket, Flat gasket, 4x Ø 3.2, shielded: yes, flange dimensions: 25.75 mm x 25.75 mm, degree of protection: IP67, cable diameter range: 3.5 mm ... 5.5 mm, number of positions: 9, connection method: Crimp connection, series: ST, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243343

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
- User-specific, suitable for front and rear mounting

Commercial data

Item number	1618825
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRSEF
Catalog page	Page 135 (C-2-2019)
GTIN	4046356817493
Weight per piece (including packing)	46.3 g
Weight per piece (excluding packing)	46.3 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: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.
	• 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).

Mounting

Mounting	4x Ø 3.2

Product properties

Product type	Circular connectors (device side)
Series	ST
Application	Power
Number of positions	9
Connection profile	5+3+PE
Shielded	yes
Coding	N
Thread type	M17

Data management status

Article revision	12

Dimensions

Housing

Flange dimensions	25.75 mm x 25.75 mm

Electrical properties

Contact

Contact diameter	1 mm
Max. current	14 A
Nominal voltage U_N	630 V
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	6 kV

Contact

Contact diameter	0.6 mm
Max. current	3.6 A
Nominal voltage U_N	60 V
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	1.5 kV

Connection data

Conductor connection

Connection method	Crimp connection
Contact connection type	Socket

Connector

Type	straight
Direction of rotation	Standard

Cable/line

External cable diameter	3.5 mm ... 5.5 mm

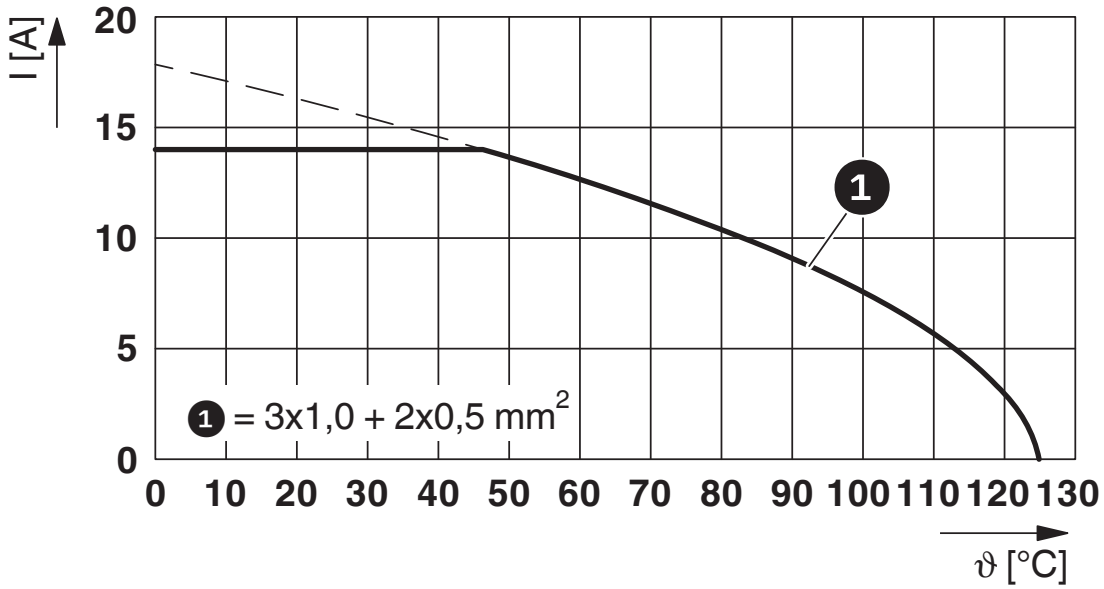
Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-40 °C ... 125 °C
Ambient temperature (storage/transport)	15 °C ... 25 °C
Altitude	2000 m
Permissible humidity (storage/transport)	50 % ... 65 %

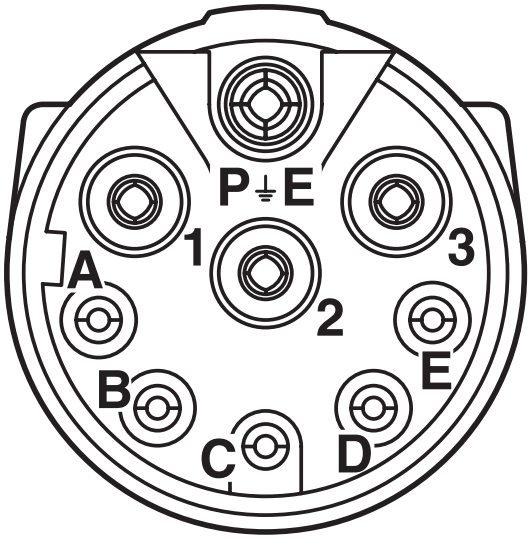
Drawings

Diagram



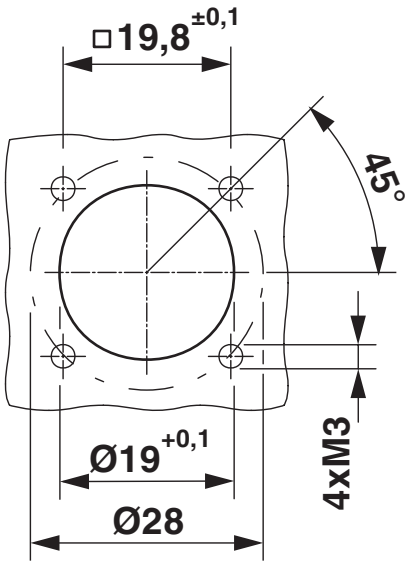
I = current strength, ϑ = ambient temperature, 3x 14 A + 2x 2 A constant

Schematic diagram



Connector pin assignment

Dimensional drawing



Installation dimensions

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/pc/products/1618825

cUL Recognized
Approval ID: E335019-20111129

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Power	600 V	3.5 A	-	-
Signal	60 V	3.5 A	-	-

UL Recognized
Approval ID: E335019-20111129

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Power	600 V	3.5 A	-	-
Signal	60 V	3.5 A	-	-

UL Recognized
Approval ID: E153698-20140124

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Power	600 V	3.5 A	-	-
Signal	60 V	3.5 A	-	-

cUL Recognized
Approval ID: E153698-20140124

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Power	600 V	3.5 A	-	-
Signal	60 V	3.5 A	-	-

Classifications

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

ETIM

ETIM 9.0	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	34d6830c-b1ec-44f0-b166-eb3f429d53f0

Accessories

ST-06KS010 - Crimp contact

1607580

https://www.phoenixcontact.com/pc/products/1607580

Crimp contact, Socket, turned, contact diameter: 0.6 mm, crimp range: 0.06 mm^2 ... 0.25 mm^2, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1242314

ST-06KS020 - Crimp contact

1607581

https://www.phoenixcontact.com/pc/products/1607581

Crimp contact, Socket, turned, contact diameter: 0.6 mm, crimp range: 0.14 mm^2 ... 0.34 mm^2, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1242314

ST-06KS030 - Crimp contact

1607582

https://www.phoenixcontact.com/pc/products/1607582

Crimp contact, Socket, turned, contact diameter: 0.6 mm, crimp range: 0.34 mm^2 ... 0.5 mm^2, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1242315

ST-10KS010 - Crimp contact

1618239

https://www.phoenixcontact.com/pc/products/1618239

Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range: 0.06 mm^2 ... 0.25 mm^2, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243216

ST-10KS035 - Crimp contact

1618464

https://www.phoenixcontact.com/pc/products/1618464

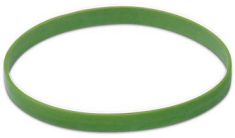
Crimp contact, Socket, turned, contact diameter: 1 mm, crimp range: 0.25 mm^2 .. . 1 mm^2, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243216

ST-Z0016 - Color coding

1617993

https://www.phoenixcontact.com/pc/products/1617993

Color coding, color: green

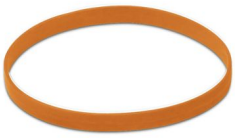


ST-Z0017 - Color coding

1618049

https://www.phoenixcontact.com/pc/products/1618049

Color coding, color: orange



ST-Z0018 - Color coding

1618050

https://www.phoenixcontact.com/pc/products/1618050

Color coding, color: black

PROT-M17PRO-OT-IP20 - Plastic protective cap

1055708

https://www.phoenixcontact.com/pc/products/1055708

Plastic protective cap, M17, degree of protection: IP20, series: M17 PRO

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