# ST-8ES1N8ACK02S - Front panel feed-through

1618825

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

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CRIMP



The figure shows the 8-position version.

Front panel feed-through, application: Power, straight, SPEEDCON, M17, number of positions: 5+3+PE, contact connection type: Socket, Flat gasket, shielded: yes, flange dimensions: 25.75 mm x 25.75 mm, cable diameter range: 3.5 mm ... 5.5 mm, number of positions: 9, 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.

## 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) |
| Sales key | AB38 |
| Product key | ABRBEJ |
| GTIN | 4046356817493 |
| Weight per piece (including packing) | 46.3 g |
| Weight per piece (excluding packing) | 44.126 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. |

## Mounting

| | |
|---|---|
| Mounting type | Front mounting/square flange (4x Ø 3.2 mm) |

## 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 |

## Dimensions

Housing

| | |
|---|---|
| Flange dimensions | 25.75 mm x 25.75 mm |

## 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 |

## 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 |

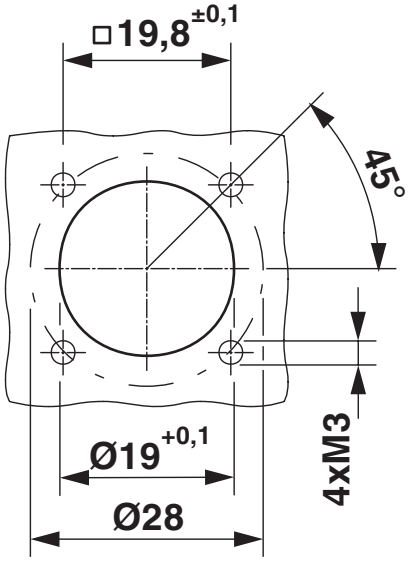
## Environmental and real-life conditions

Ambient conditions

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

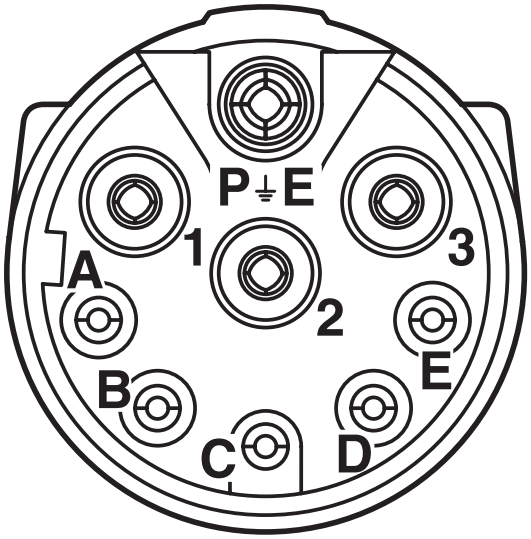
## Drawings

Dimensional drawing



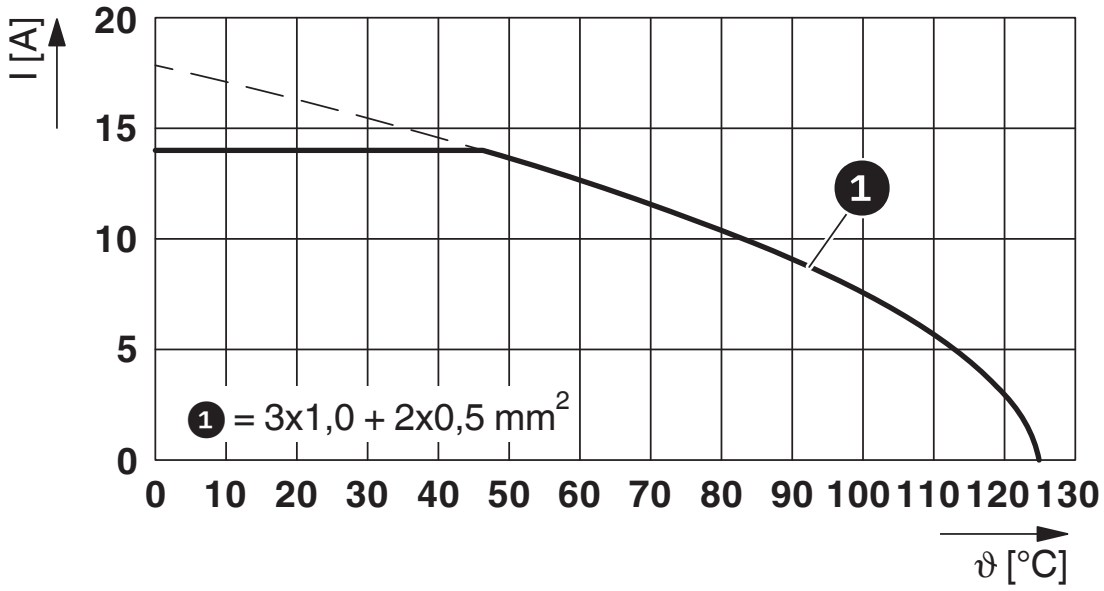

Installation dimensions

Schematic diagram




Connector pin assignment

Diagram




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

## Approvals

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

**cUL Recognized**
Approval ID: E153698-20140124

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| Power | 600 V | 3.5 A | 20 | - |
| Signal | 60 V | 3.5 A | 20 | - |

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## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27440109 |
| ECLASS-15.0 | 27440109 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC003569 |

### 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 |

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