

1619186

https://www.phoenixcontact.com/us/products/1619186

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Device connector front mounting, straight, for standard and SPEEDCON interlock, M17, number of positions: 3+PE, contact connection type: Pin, Axial O-ring, 4x Ø 3.2, shielded: yes, flange dimensions: 25.75 mm x 25.75 mm, degree of protection: IP67, number of positions: 4, connection method: Crimp connection, series: ST

Your advantages

- · Ideal for compact devices
- · Consistent EMC protection for reliable connection solutions in the industrial environment
- · Crimping connection: vibration- and temperature-resistant assembly

Commercial data

| Item number | 1619186 |
|--------------------------------------|---------------------|
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB32 |
| Product key | ABRBEL |
| Catalog page | Page 137 (C-2-2019) |
| GTIN | 4046356827300 |
| Weight per piece (including packing) | 44.3 g |
| Weight per piece (excluding packing) | 33.6 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |



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Technical data

Notes

| Order information: | Order crimp contacts Ø 2 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 | | | |



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| | warnings (e.g. DIN EN ISO 13732-1:2008-12). |
|--|---|
| Nounting | |
| Mounting type | Front mounting |
| Mounting | 4x Ø 3.2 |
| Product properties | |
| Product type | Circular connectors (device side) |
| Series | ST |
| Application | Power |
| Number of positions | 4 |
| Connection profile | 3+PE |
| Shielded | yes |
| Coding | N |
| Thread type | M17 |
| Data management status | |
| Article revision | 03 |
| Housing Flange dimensions | 25.75 mm x 25.75 mm |
| Naterial specifications | |
| Seal material | FPM |
| Housing material | GD-Zn |
| Electrical properties | |
| | |
| Contact | |
| Contact Contact diameter | 2 mm |
| | 2 mm 25 A |
| Contact diameter | |
| Contact diameter Max. current | 25 A |
| Contact diameter Max. current Nominal voltage U_N | 25 A 630 V |
| Contact diameter Max. current Nominal voltage U _N Overvoltage category | 25 A 630 V III |
| Contact diameter Max. current Nominal voltage U _N Overvoltage category Degree of pollution | 25 A 630 V III 3 |
| Contact diameter Max. current Nominal voltage U _N Overvoltage category Degree of pollution Rated surge voltage | 25 A 630 V III 3 |
| Contact diameter Max. current Nominal voltage U _N Overvoltage category Degree of pollution Rated surge voltage Contact | 25 A 630 V III 3 6 kV |
| Contact diameter Max. current Nominal voltage U _N Overvoltage category Degree of pollution Rated surge voltage Contact Contact diameter | 25 A 630 V III 3 6 kV |
| Contact diameter Max. current Nominal voltage U _N Overvoltage category Degree of pollution Rated surge voltage Contact Contact diameter | 25 A 630 V III 3 6 kV |



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Connector

| Туре | straight | |
|-----------------------|----------|--|
| Direction of rotation | Standard | |
| Connection 1 | | |
| Head design | Pin | |

Environmental and real-life conditions

Ambient conditions

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

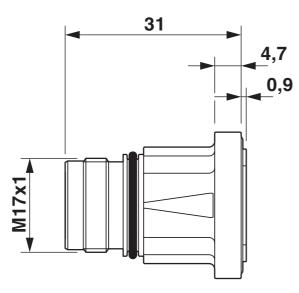


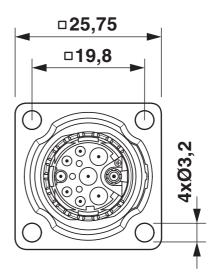
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Drawings

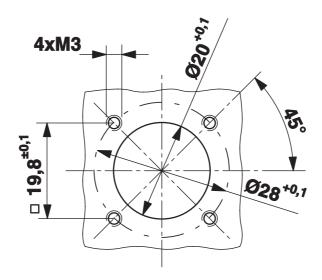
Dimensional drawing





Technical drawings can be found under Downloads

Schematic diagram

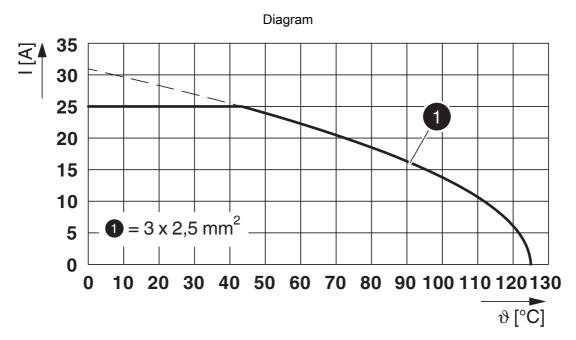


Installation dimensions



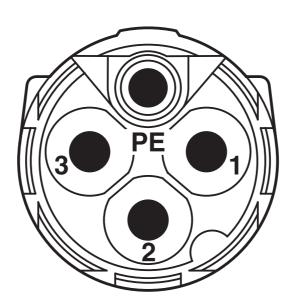
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I = current strength, ϑ = ambient temperature, 3x 25 A

Schematic diagram



Connector pin assignment



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Approvals

🌣 To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1619186



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 |
| 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 |
| Power | 600 V | 18 A | 14 - 14 | - |

| | UL Recognized Approval ID: E153698-20140124 |
|----|---|
| 76 | Approval ID: E153698-20140124 |



cUL Recognized

Approval ID: E153698-20140124

cULus Listed



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Classifications

UNSPSC 21.0

ECLASS

| 202.00 | | | |
|--------|-------------|----------|--|
| | ECLASS-11.0 | 27440102 | |
| | ECLASS-12.0 | 27440116 | |
| | ECLASS-13.0 | 27440116 | |
| ETIM | | | |
| | ETIM 9.0 | EC002635 | |
| UNSPSC | | | |

39121400



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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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Accessories

ST-20KP010 - Crimp contact

1607655

https://www.phoenixcontact.com/us/products/1607655



Crimp contact, Pin, turned, contact diameter: 2 mm, crimp range: $0.25 \text{ mm}^2 \dots 1 \text{ mm}^2$, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1242329

ST-20KP020 - Crimp contact

1607656

https://www.phoenixcontact.com/us/products/1607656



Crimp contact, Pin, turned, Single contact, contact diameter: 2 mm, crimp range: 1 mm^2 ... 2.5 mm^2 , Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1242329



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ST-Z0019 - Color coding

1620621

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Color coding, color: green



ST-Z0020 - Color coding

1620622

https://www.phoenixcontact.com/us/products/1620622

Color coding, color: orange





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ST-Z0021 - Color coding

1620623

https://www.phoenixcontact.com/us/products/1620623

Color coding, color: black



ST-Z0014 - Metal protective cap

1616069

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Metal protective cap, M17, degree of protection: IP67, series: ST, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243010



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ST-Z0013 - Metal protective cap

1616068

https://www.phoenixcontact.com/us/products/1616068



Metal protective cap, M17, degree of protection: IP67, series: ST, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243009

ST-Z0001 - Contact removal tool

1607770

https://www.phoenixcontact.com/us/products/1607770



Unlocking tool for contact carriers for snapping in the M17 device connectors



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PROT-M17PRO-OT-IP20 - Plastic protective cap

1055708

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



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

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