

ST-5EP1N8AAE00S - Device connector front mounting



1618127

<https://www.phoenixcontact.com/us/products/1618127>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Device connector front mounting, angled rotatable, SPEEDCON, M17, number of positions: 5+PE, contact connection type: Pin, Axial O-ring, 4x Ø 3.2, shielded: yes, flange dimensions: 25 mm x 25 mm, degree of protection: IP67, number of positions: 6, connection method: Crimp connection, series: ST

Commercial data

Item number	1618127
Packing unit	16 pc
Minimum order quantity	16 pc
Product key	ABRBEM
GTIN	4046356580755
Weight per piece (including packing)	98.312 g
Weight per piece (excluding packing)	63.78 g
Country of origin	DE

Technical data

Notes

Order information:	Order crimp contacts 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

ST-5EP1N8AAE00S - Device connector front mounting



1618127

<https://www.phoenixcontact.com/us/products/1618127>

warnings (e.g. DIN EN ISO 13732-1:2008-12).

Mounting

Mounting type	Front mounting
Mounting	4x Ø 3.2

Product properties

Product type	Circular connectors (device side)
Series	ST
Application	Power
Number of positions	6
Connection profile	5+PE
Shielded	yes
Coding	N
Thread type	M17

Dimensions

Housing

Flange dimensions	25 mm x 25 mm
-------------------	---------------

Material specifications

Seal material	FPM
Housing material	Metal

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	1 mm
------------------	------

Connection data

Conductor connection

Connection method	Crimp connection
Contact connection type	Pin

Connector

Type	angled rotatable
Direction of rotation	Standard

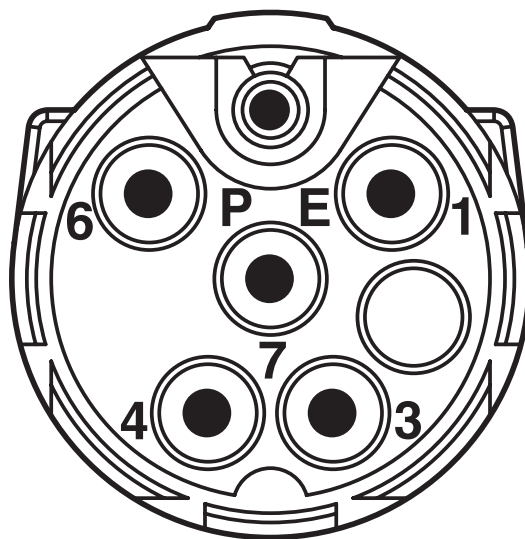
Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-40 °C ... 125 °C
Ambient temperature (storage/transport)	15 °C ... 25 °C
Altitude	3000 m
Permissible humidity (storage/transport)	50 % ... 65 %

Drawings

Schematic diagram



Connector pin assignment

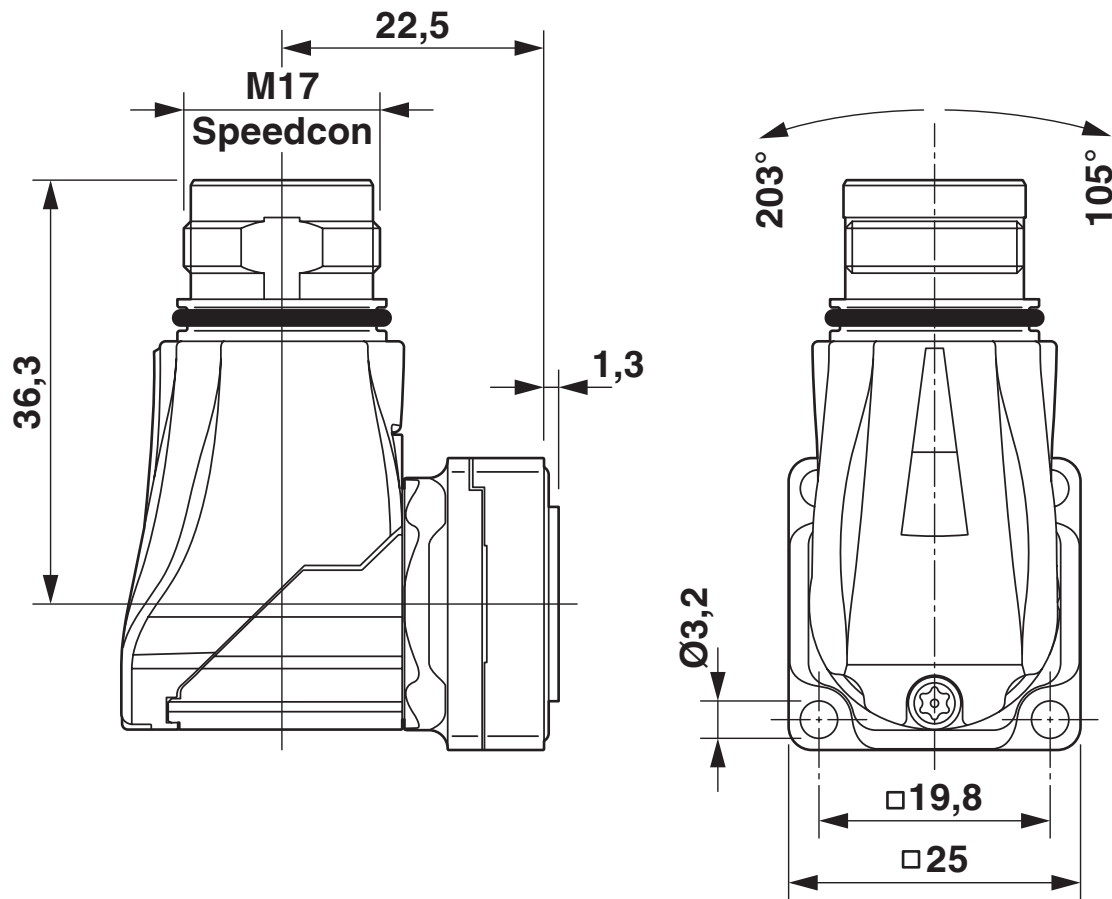
ST-5EP1N8AAE00S - Device connector front mounting



1618127

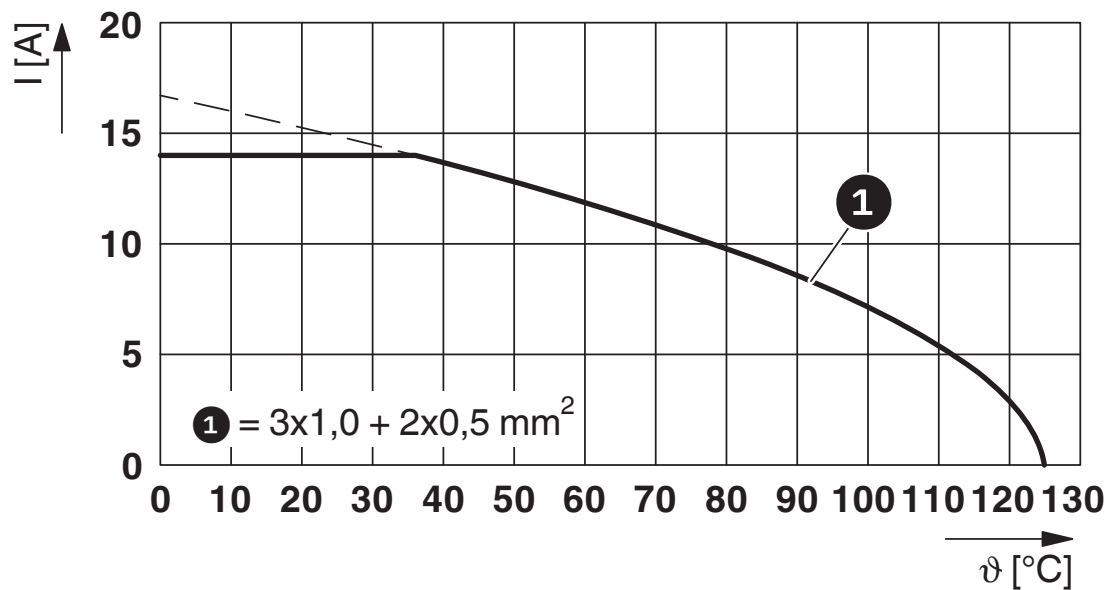
<https://www.phoenixcontact.com/us/products/1618127>

Dimensional drawing



Dimensional drawing

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/1618127>



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	10 A	-	18 - 18
Signal	60 V	2 A	-	20 - 20

	cUL Listed Approval ID: E468743-20210825			
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Power	600 V	8 A	18 - 18	-
Signal	60 V	2 A	20 - 20	-



UL Recognized
Approval ID: E153698-20140124



cUL Recognized
Approval ID: E153698-20140124

cULus Listed

ST-5EP1N8AAE00S - Device connector front mounting



1618127

<https://www.phoenixcontact.com/us/products/1618127>

Classifications

ECLASS

ECLASS-13.0	27440312
ECLASS-11.0	27440312
ECLASS-12.0	27440312

ETIM

ETIM 9.0	EC002641
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

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%

ST-5EP1N8AAE00S - Device connector front mounting



1618127

<https://www.phoenixcontact.com/us/products/1618127>

Accessories

ST-10KP010 - Crimp contact

1618255

<https://www.phoenixcontact.com/us/products/1618255>



Crimp contact, Pin, turned, Single contact, contact diameter: 1 mm, crimp range: 0.06 mm² ... 0.25 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243215

ST-10KP035 - Crimp contact

1618458

<https://www.phoenixcontact.com/us/products/1618458>



Crimp contact, Pin, turned, contact diameter: 1 mm, crimp range: 0.25 mm² ... 1 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243215

ST-5EP1N8AAE00S - Device connector front mounting



1618127

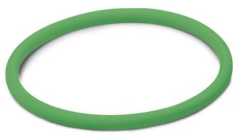
<https://www.phoenixcontact.com/us/products/1618127>

ST-Z0019 - Color coding

1620621

<https://www.phoenixcontact.com/us/products/1620621>

Color coding, color: green



ST-Z0020 - Color coding

1620622

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

Color coding, color: orange



ST-5EP1N8AAE00S - Device connector front mounting



1618127

<https://www.phoenixcontact.com/us/products/1618127>

ST-Z0021 - Color coding

1620623

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

Color coding, color: black



ST-Z0014 - Metal protective cap

1616069

<https://www.phoenixcontact.com/us/products/1616069>



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

ST-5EP1N8AAE00S - Device connector front mounting



1618127

<https://www.phoenixcontact.com/us/products/1618127>

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



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



Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com