

# ST-6EP1N8AAE00S - Device connector front mounting



1618129

<https://www.phoenixcontact.com/us/products/1618129>

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.



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

Device connector front mounting, application: Power, angled rotatable, SPEEDCON, M17, number of positions: 6+PE, contact connection type: Pin, Axial O-ring, 4x Ø 3.2, shielded: yes, flange dimensions: 25 mm x 25 mm, number of positions: 7, connection method: Crimp connection, series: ST

## Commercial data

Item number	1618129
Packing unit	16 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRBEM
GTIN	4046356580762
Weight per piece (including packing)	63.72 g
Weight per piece (excluding packing)	63.72 g
Country of origin	DE

## Technical data

### Notes

Order information:	Order crimp contacts Ø 1 mm separately
--------------------	--

### Product properties

Product type	Circular connectors (device side)
Series	ST
Application	Power
Number of positions	7
Connection profile	6+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 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	1 mm
------------------	------

### Connection data

#### Conductor connection

Connection method	Crimp connection
Contact connection type	Pin

### Connector

Type	angled rotatable
Direction of rotation	Standard

1618129

<https://www.phoenixcontact.com/us/products/1618129>

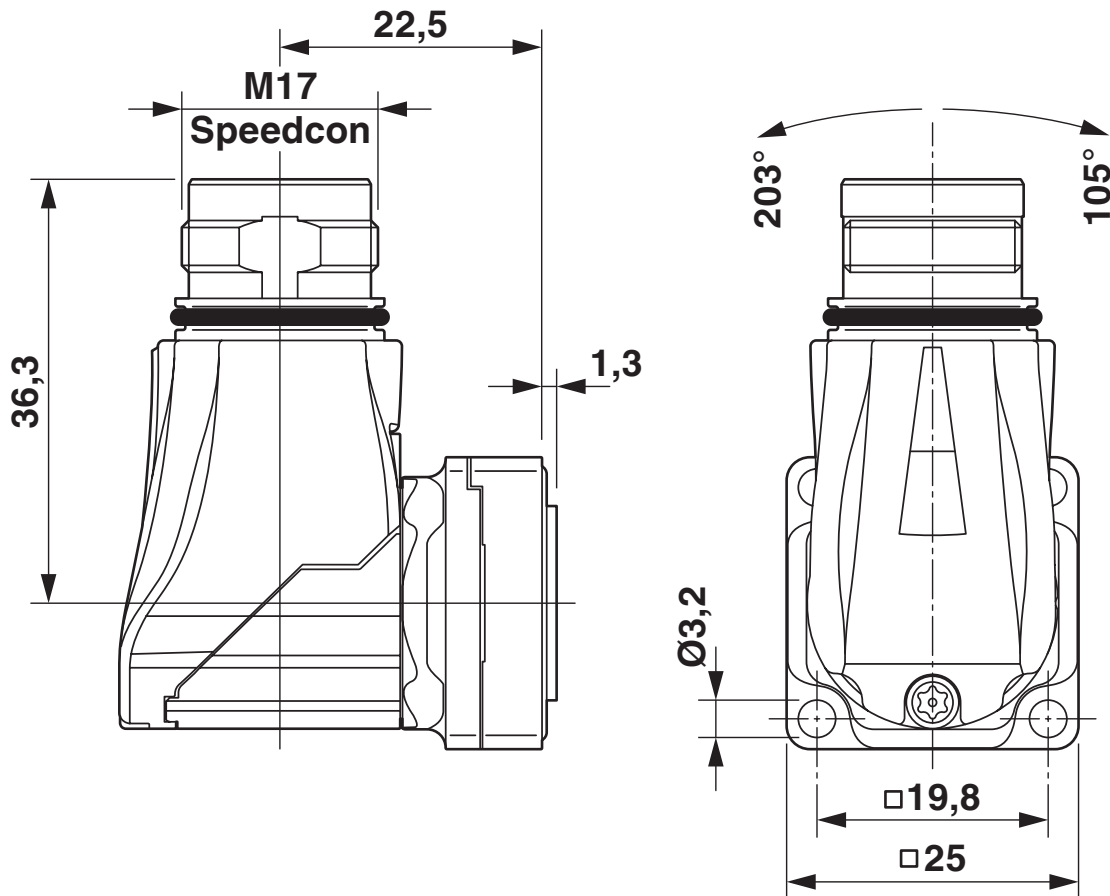
## Environmental and real-life conditions

### Ambient conditions

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

Drawings

Dimensional drawing

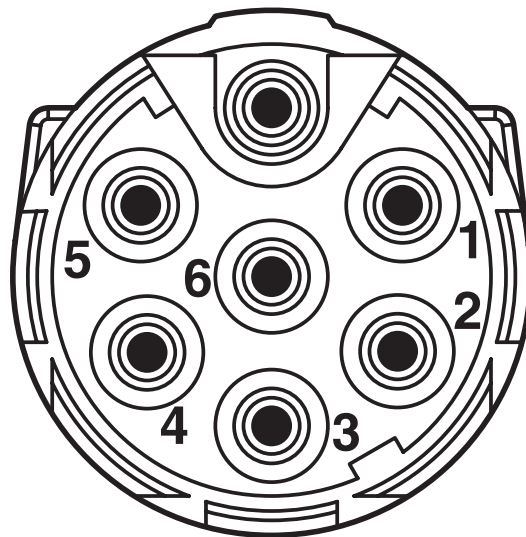


Dimensional drawing

1618129

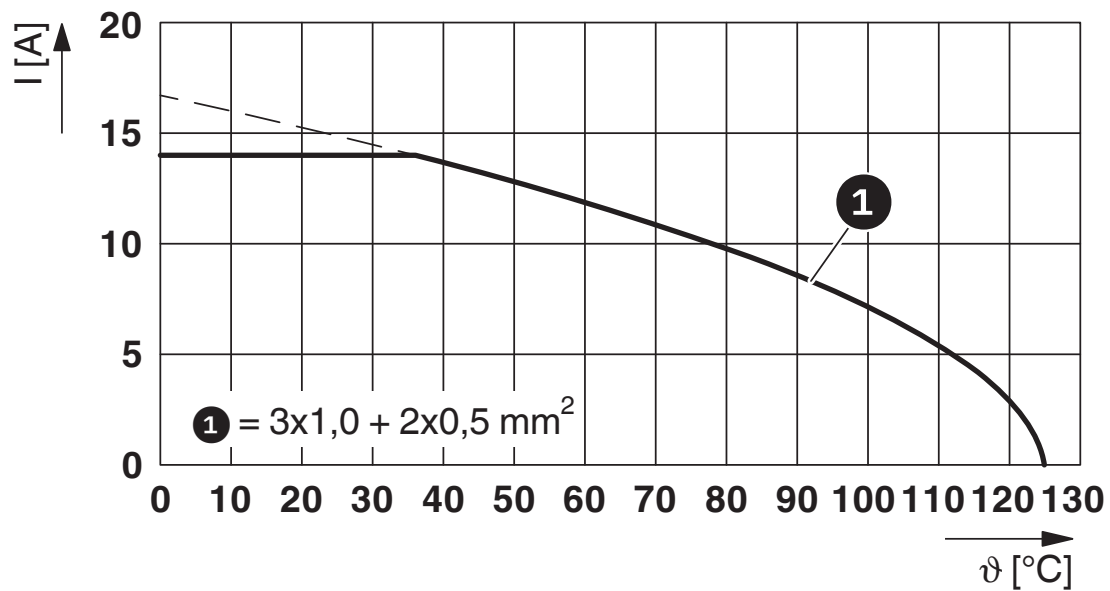
<https://www.phoenixcontact.com/us/products/1618129>

Schematic diagram



Connector pin assignment

Diagram



$I$  = current strength,  $\vartheta$  = ambient temperature, 3x 14 A + 2x 2 A constant

1618129

<https://www.phoenixcontact.com/us/products/1618129>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

### 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.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - 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](mailto:info@phoenixcon.com)