

# ST-7EP1N8AAC00S - Device connector front mounting



1607743

<https://www.phoenixcontact.com/us/products/1607743>

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

Device connector front mounting, application: Power, angled rotatable, SPEEDCON, M17, number of positions: 7+PE, contact connection type: Pin, Axial O-ring, 4x Ø 2.7 mm, shielded: yes, flange dimensions: 25 mm x 25 mm, number of positions: 8, connection method: Crimp connection, series: ST

## Commercial data

Item number	1607743
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	AB35
Product key	ABRBEM
GTIN	4046356274432
Weight per piece (including packing)	165.1 g
Weight per piece (excluding packing)	165.1 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Notes

Order information:	Order crimp contacts Ø 1 mm separately
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### Product properties

Product type	Circular connectors (device side)
Series	ST
Application	Power
Number of positions	8
Connection profile	7+PE
Shielded	yes
Coding	N
Thread type	M17

### Dimensions

#### Housing

Flange dimensions	25 mm x 25 mm
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### Material specifications

Seal material	FPM
Housing material	Metal
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Insulator material	PA 6.6
Gasket and O-ring material	FPM

### 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
Nominal current $I_N$	14 A
Nominal voltage $U_N$	630 V

### Connection data

#### Conductor connection

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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
Altitude	2000 m

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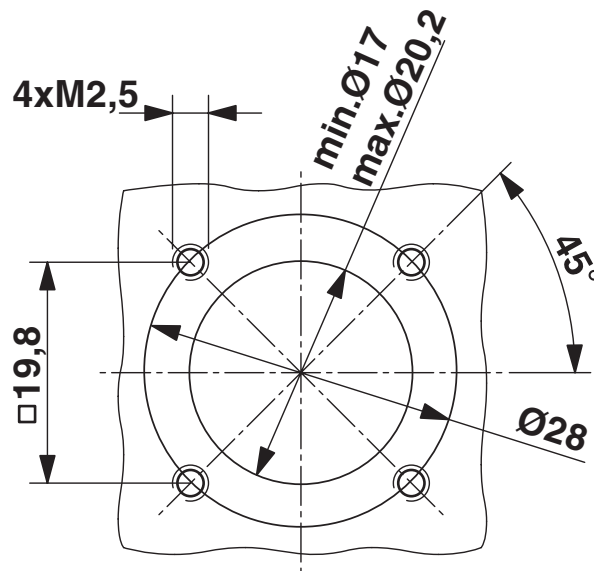


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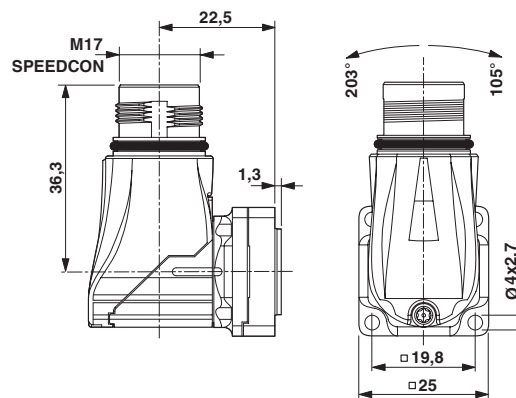
<https://www.phoenixcontact.com/us/products/1607743>

## Drawings

Dimensional drawing



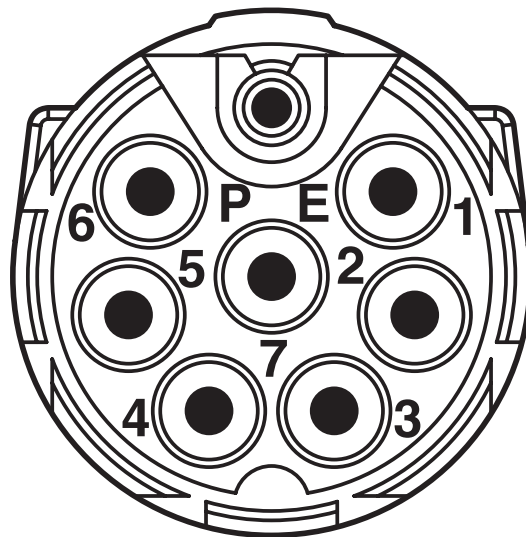
Dimensional drawing



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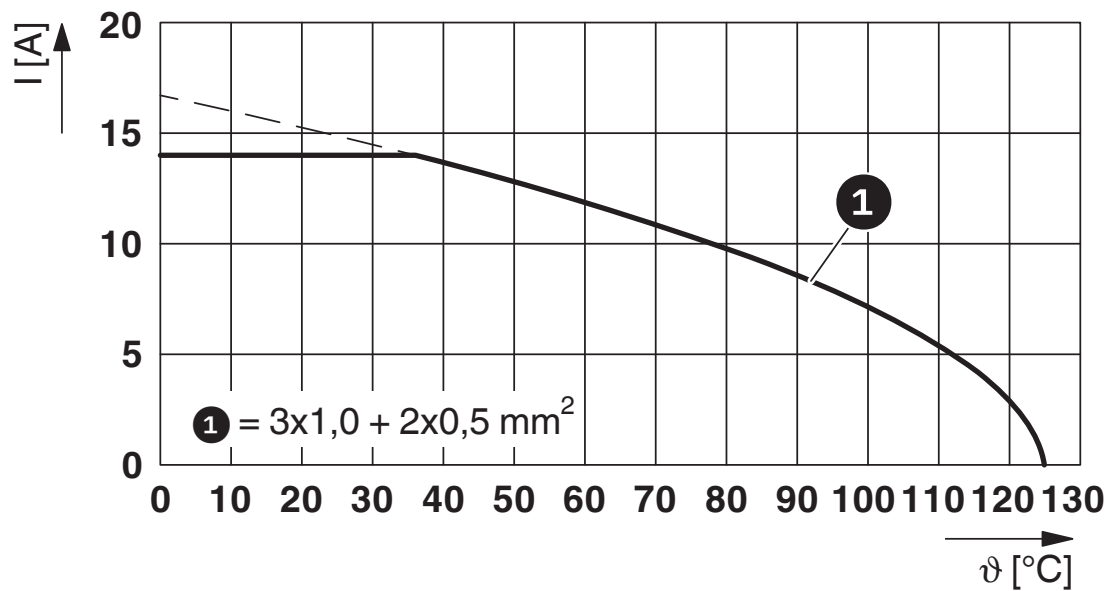
<https://www.phoenixcontact.com/us/products/1607743>

Schematic diagram



Connector pin assignment

Diagram



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

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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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%
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