

# SF-5EP1N8AAC00S - Device connector front mounting



1617904

<https://www.phoenixcontact.com/us/products/1617904>

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The figure shows the 8-pos.  
(4+3+PE) product version

Device connector front mounting, application: Power, angled rotatable, increased flange dimension, Screw locking mechanism, M23, number of positions: 5+PE, contact connection type: Pin, Axial O-ring, 4x Ø 3.2, shielded: yes, flange dimensions: 28 mm x 28 mm, number of positions: 6, connection method: Crimp connection, series: SF, Compatible with mating connectors with SPEEDCON or M23 standard knurled nuts

## Commercial data

Item number	1617904
Packing unit	16 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRBFM
GTIN	4046356581059
Weight per piece (including packing)	125.99 g
Weight per piece (excluding packing)	125.99 g
Country of origin	DE

## Technical data

### Notes

Order information:	Order crimp contacts 6 x Ø 2 mm separately
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### Product properties

Product type	Circular connectors (device side)
Series	SF
Application	Power
Number of positions	6
Connection profile	5+PE
Shielded	yes
Coding	N
Thread type	M23

### Dimensions

#### Housing

Flange dimensions	28 mm x 28 mm
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### Material specifications

Seal material	FPM
Housing material	Metal

### Electrical properties

#### Contact: Contact group 1

Contact diameter	2 mm
Nominal current $I_N$	30 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	2 mm
Nominal current $I_N$	9 A
Nominal voltage $U_N$	250 V
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	4 kV

### Connection data

#### Conductor connection

Connection method	Crimp connection
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Contact connection type	Pin
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## Connector

Type	angled rotatable, increased flange dimension
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## Environmental and real-life conditions

### Ambient conditions

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

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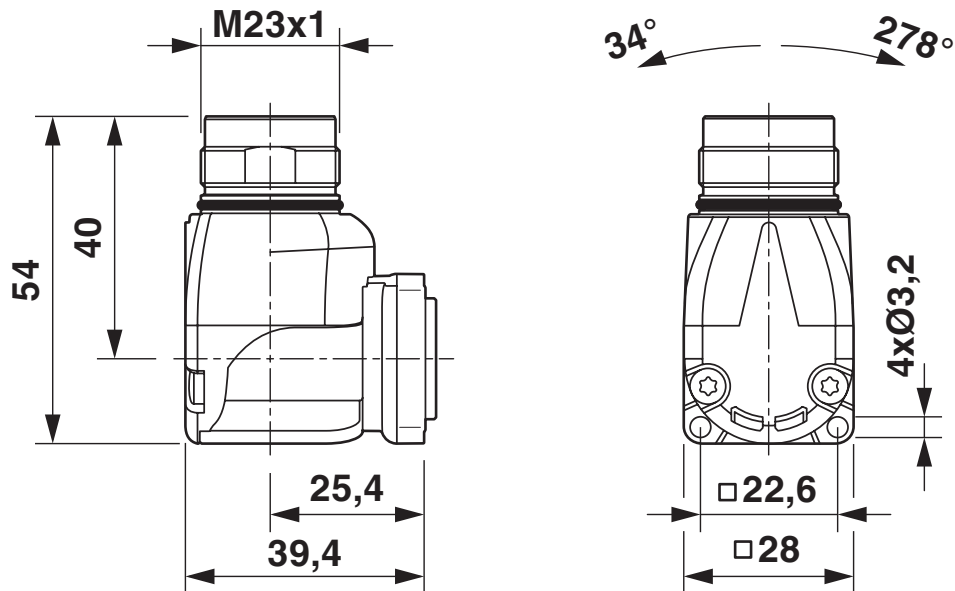


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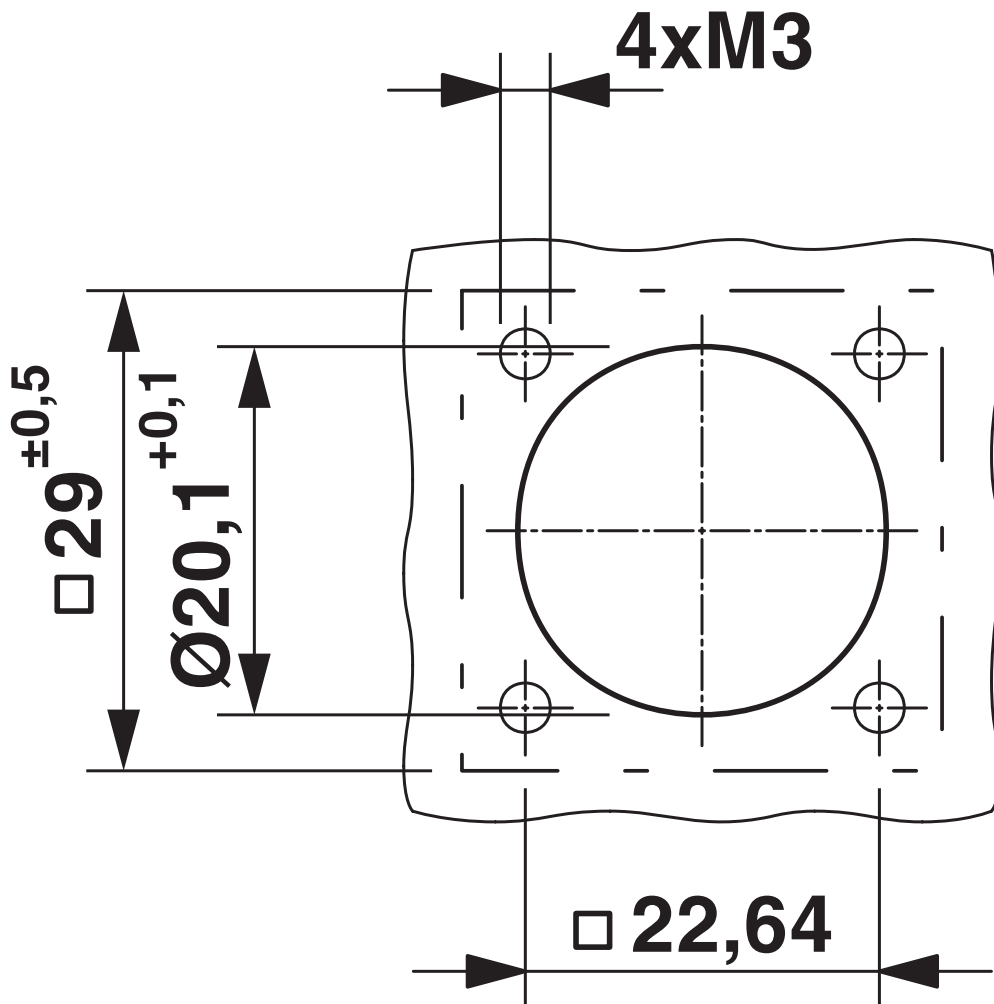
## Drawings

Dimensional drawing



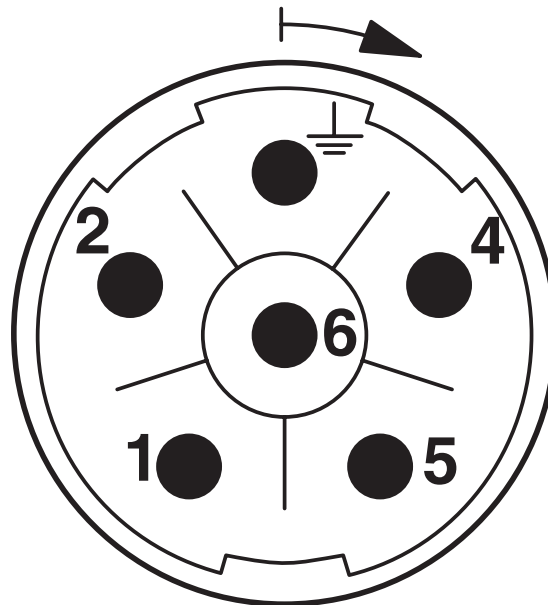
Dimensional drawing

Dimensional drawing



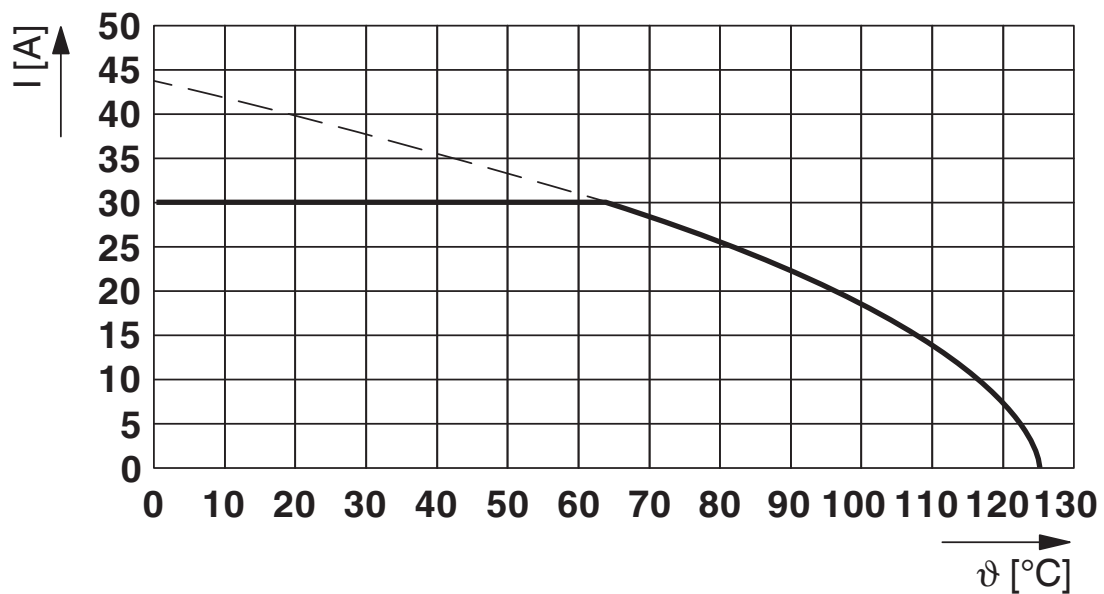
Drill holes

Schematic diagram



Connector pin assignment

Diagram



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## Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	
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	No substance above 0.1 wt%
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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)