

# SF-7EP1N8AC0A5 - Rear panel feed-through



1627037

<https://www.phoenixcontact.com/us/products/1627037>

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Rear panel feed-through, application: Power, straight, Screw locking mechanism, M23, number of positions: 4+3+PE, contact connection type: Pin, Axial O-ring, 4xM3, shielded: yes, cable diameter range: 5.5 mm ... 8.5 mm, number of positions: 8, connection method: Crimp connection, series: SF

## Your advantages

- Consistent EMC protection for reliable connection solutions in the industrial environment
- Crimping connection: vibration- and temperature-resistant assembly
- Flexible use: reliably connect various cable diameters

## Commercial data

Item number	1627037
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRBFJ
GTIN	4055626289779
Weight per piece (including packing)	22.22 g
Weight per piece (excluding packing)	22.22 g
Country of origin	DE

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## Technical data

### Notes

Order information:	Order crimp contacts 4 x Ø 1 mm, 4 x Ø 2 mm separately
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### Product properties

Product type	Circular connectors (device side)
Series	SF
Application	Power
Number of positions	8
Connection profile	4+3+PE
Shielded	yes
Coding	N
Thread type	M23

### 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	1 mm
Nominal current $I_N$	9 A
Nominal voltage $U_N$	630 V
Overvoltage category	III
Degree of pollution	3

### Connection data

#### Conductor connection

Connection method	Crimp connection
Contact connection type	Pin

### Connector

Type	straight
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## Cable/line

External cable diameter	5.5 mm ... 8.5 mm
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## Environmental and real-life conditions

### Ambient conditions

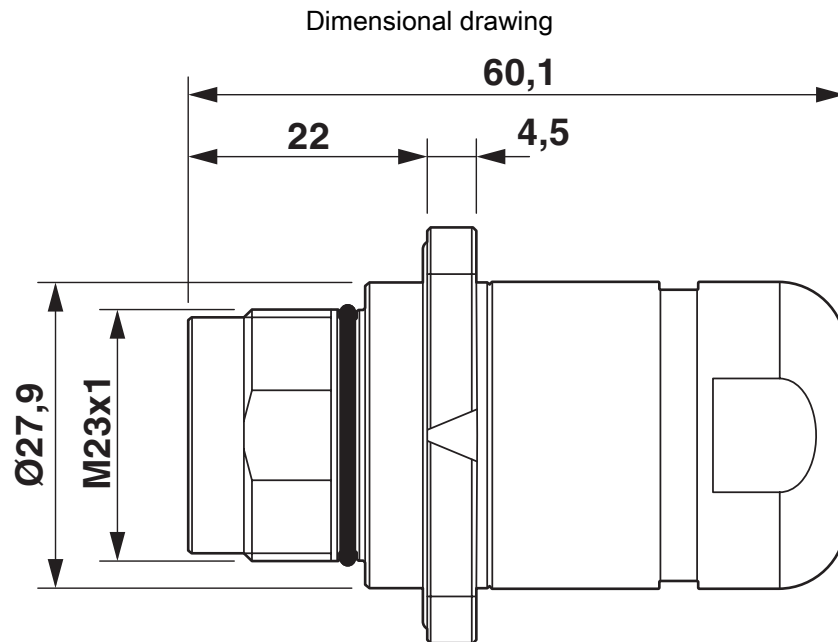
Degree of protection	IP67
Ambient temperature (operation)	-40 °C ... 125 °C
Altitude	3000 m

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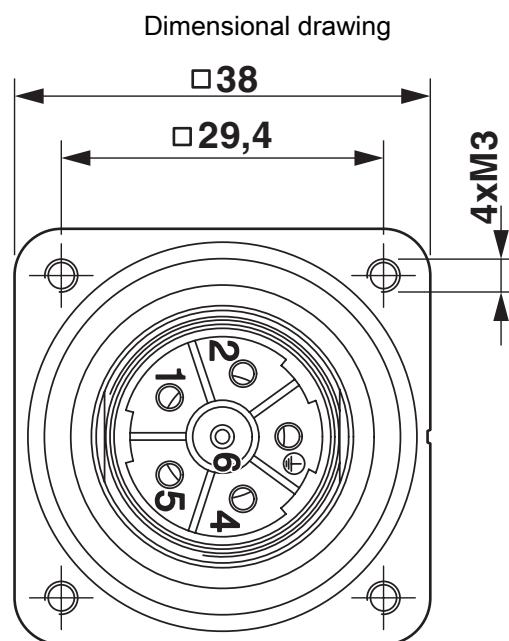
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## Drawings



Dimensional drawing



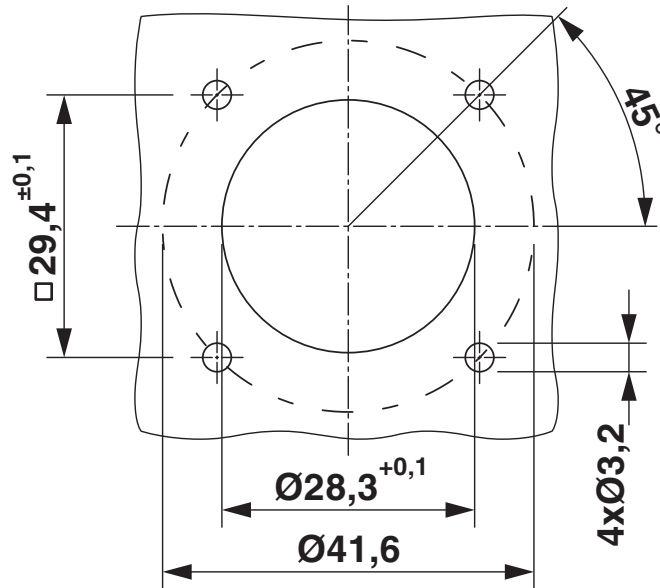
Flange dimensions (Figure shows the 6-pos. version)

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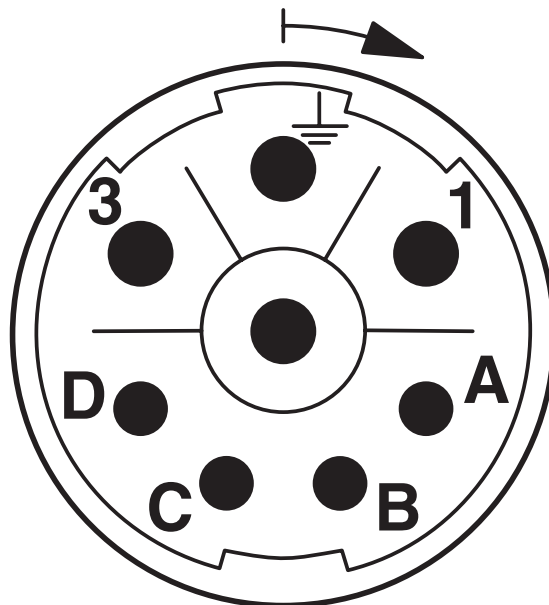
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Dimensional drawing



Installation dimensions

Schematic diagram



Connector pin assignment

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## Environmental product compliance

### 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.
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### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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