

## Device connector, front mounting - SF-5EP1N8AA500 - 1620657

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Device connector, front mounting, angled rotatable, Screw locking, M23, Number of positions: 5+PE, Type of contact: Pin, Crimp connection, Axial O-ring, 4x Ø 3.2, shielded: yes, Flange dimensions: 26 mm x 26 mm, Compatible with mating connectors with SPEEDCON or M23 standard knurled nuts

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

### Why buy this product

- Easy connection, thanks to infinitely adjustable cable outlet direction up to 310°
- Consistent EMC protection for reliable connection solutions in the industrial environment
- Crimping connection: vibration- and temperature-resistant assembly



### Key Commercial Data

Packing unit	1 STK
GTIN	
GTIN	4046356839969
Weight per Piece (excluding packing)	123.300 g
Custom tariff number	85366990
Country of origin	Germany
Note	Made to Order (non-returnable)

### Technical data

#### General

Note	Order information: Order crimp contacts 6 x Ø 2 mm separately
Type of locking	Screw locking
Coding	N
Contact connection method	Crimp connection
Type of contacts	Pin
Number of positions	6
Contact diameter of power contacts	2 mm
Nominal current per power contact at 25°C	30 A

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## Technical data

### General

Contact diameter of signal contacts	2 mm
Nominal current per signal contact at 25°C	30 A
Pg housing screw connection	none
Mounting type	4x Ø 3.2

### Ambient conditions

Ambient temperature	-40 °C ... 125 °C
Degree of protection	IP67

### Specifications according to DIN EN 61984:2001

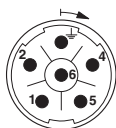
Installation height max.	3000 m
Nominal / operating voltage of power contacts	630 V
Rated surge voltage of power contacts	6 kV
Overvoltage category of power contacts	III
Degree of pollution of power contacts	3
Nominal / operating voltage of signal contacts	630 V
Rated surge voltage of signal contacts	6 kV
Overvoltage category of signal contacts	III
Degree of pollution of signal contacts	3

### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

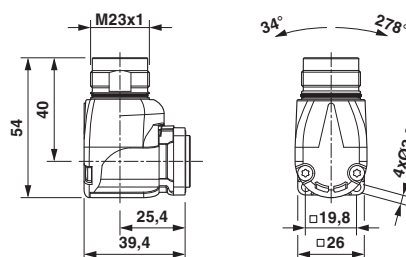
## Drawings

Schematic diagram



Connector pin assignment

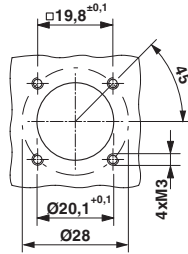
Dimensional drawing



Dimensional drawing

## Device connector, front mounting - SF-5EP1N8AA500 - 1620657

Dimensional drawing



Installation dimensions

### Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27440102
eCl@ss 9.0	27440103

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC001121
ETIM 5.0	EC002635
ETIM 6.0	EC002061

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	39121413

### Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

## Device connector, front mounting - SF-5EP1N8AA500 - 1620657

### Approvals

#### Approval details

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> E153698-20041116
mm <sup>2</sup> /AWG/kcmil	4.0	
Nominal current I <sub>N</sub>	27 A	
Nominal voltage U <sub>N</sub>	600 V	

cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> E153698-20041116
mm <sup>2</sup> /AWG/kcmil	4.0	
Nominal current I <sub>N</sub>	18 A	
Nominal voltage U <sub>N</sub>	600 V	

EAC		B.01742
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cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>
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### Accessories

#### Accessories

##### Crimp contact

Crimp contact - SF-7RP2000 - 1605646



Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 0.14 mm<sup>2</sup>...0.25 mm<sup>2</sup>

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### Accessories

Crimp contact - SF-7PP2000 - 1605634



Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 0.25 mm<sup>2</sup>...1 mm<sup>2</sup>

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Crimp contact - SF-20KP004 - 1607376



Crimp contact, turned, Contact diameter: 2 mm, Crimp range: 0.75 mm<sup>2</sup>...1.5 mm<sup>2</sup>

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Crimp contact - SF-7QP2000 - 1605639



Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 1 mm<sup>2</sup>...2.5 mm<sup>2</sup>

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Crimp contact - SF-7MP2000 - 1605626



Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 4 mm<sup>2</sup>...4 mm<sup>2</sup>

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### Mounting material

Color-coding - RF-Z0017 - 1620624



Color-coding, Color: green

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## Device connector, front mounting - SF-5EP1N8AA500 - 1620657

### Accessories

Color-coding - RF-Z0018 - 1620625



Color-coding, Color: orange

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Color-coding - RF-Z0019 - 1620626



Color-coding, Color: black

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### Protective cover

Plastic dust protection cap - SF-Z0019 - 1607449



Plastic dust protection cap - RC-Z2059 - 1604225



Plastic dust protection cap for connectors with M23 external thread

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Plastic anti-static dust protection cap - RC-Z2469 - 1611797



Plastic dust protection cap, anti-static, for RF, SF, CA, RC series connectors, with M23 external thread

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## Device connector, front mounting - SF-5EP1N8AA500 - 1620657

### Accessories

Metal dust protection cap - SC-Z2319 - 1605456



Metal dust protection cap for power plugs with M23 external thread

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Metal dust protection cap - SC-Z2320 - 1605457



Metal dust protection cap with steel wire for power plugs with M23 external thread

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