

## Device connector, front mounting - SF-5EP1N8AWA00 - 1605520

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Device connector, front mounting, straight, Screw locking, M23, Number of positions: 5+PE, Type of contact: Male connector, Crimp connection, Axial O-ring, 4xØ3,2, shielded: Yes, Flange dimensions: 26 mm x 26 mm, Cable diameter: 0 mm...0 mm, Compatible with mating connectors with SPEEDCON or M23 standard knurled nuts

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



### Key commercial data

Packing unit	1 pc
GTIN	4 046356 182164
Weight per Piece (excluding packing)	35.3 g
Custom tariff number	85366990
Country of origin	Germany
Product key	ABRCBF
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	Male connector
Number of positions	6
Contact diameter of power contacts	2 mm
Nominal current per power contact at 25°C	30 A
Contact diameter of signal contacts	2 mm
Conductor entry	0 mm ... 0 mm
Mounting type	4xØ3,2

#### Ambient conditions

Ambient temperature	-40 °C ... 125 °C
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## Technical data

### Ambient conditions

Degree of protection	IP67
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### Material

Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Insulator material	PA 66
Gasket and O-ring material	FPM

### 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
Surge voltage category of power contacts	III
Pollution degree of power contacts	3
Rated surge voltage of signal contacts	4 kV
Surge voltage category of signal contacts	III
Pollution degree of signal contacts	3

## 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	27440209

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC001121
ETIM 5.0	EC002635

### UNSPSC

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

## Approvals

### Approvals

# Device connector, front mounting - SF-5EP1N8AWA00 - 1605520

## Approvals

Approvals

cUL Recognized / UL Recognized / cULus Recognized

Ex Approvals

Approvals submitted

## Approval details

cUL Recognized	
mm <sup>2</sup> /AWG/kcmil	4.0
Nominal current I <sub>N</sub>	15 A
Nominal voltage U <sub>N</sub>	600 V

UL Recognized	
mm <sup>2</sup> /AWG/kcmil	4.0
Nominal current I <sub>N</sub>	25 A
Nominal voltage U <sub>N</sub>	600 V

cULus Recognized	
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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>

## Device connector, front mounting - SF-5EP1N8AWA00 - 1605520

### Accessories

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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-5EP1N8AWA00 - 1605520

### 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 with IP40 eye for connectors with M23 external thread, RF, SF series

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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 series connectors, with M23 external thread

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# Device connector, front mounting - SF-5EP1N8AWA00 - 1605520

## Accessories

Metal dust protection cap - SC-Z2319 - 1605456



Metal dust protection cap for power plugs with M23 external thread

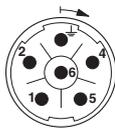
Metal dust protection cap with steel wire for power plugs with M23 external thread



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

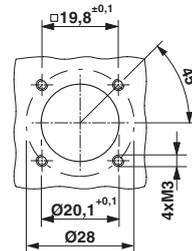
## Drawings

Schematic diagram



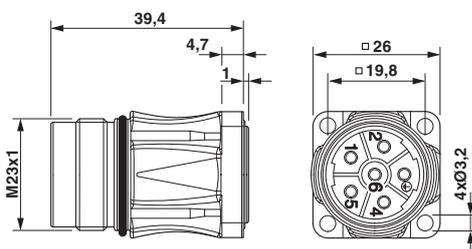
Connector pin assignment

Dimensioned drawing



Installation dimensions

Dimensioned drawing



Dimensional drawing

Diagram

