

# Device connector, front mounting with knurled nut - SF-5ES1N8AY000 - 1607082

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

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



## Key commercial data

Packing unit	1 pc
GTIN	 4 046356 278676
Weight per Piece (excluding packing)	67.9 g
Custom tariff number	85366990
Country of origin	Germany
Product key	ABRCBM
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	Socket
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

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## Technical data

### Ambient conditions

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

### 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

### 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

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## Approvals

### Approvals

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#### Approvals

cUL Recognized / UL Recognized / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

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## 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

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### Accessories

Crimp contact - SF-7PS2000 - 1605636



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-7NS2000 - 1605631



Crimp contact, turned, Single contact, 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-7QS2000 - 1605643



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-7MS2000 - 1605628



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 with knurled nut - SF-5ES1N8AY000 - 1607082

### 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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Torque screwdriver - SF-Z0028 - 1607456



Torque screwdriver

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Hook wrench - SF-Z0027 - 1607455



Hook wrench

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### Protective cover

Plastic dust protection cap - RC-Z2058 - 1604223



Plastic dust protection cap for connectors with M23 knurled nuts

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## Accessories

Plastic anti-static dust protection cap - RC-Z2468 - 1611796



Plastic dust protection cap, anti-static, for connectors with M23 knurled nuts

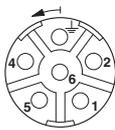
Metal dust protection cap - SC-Z2322 - 1605459



Metal dust protection cap with steel wire for power plugs with M23 knurled nuts

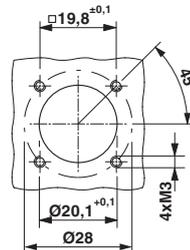
## Drawings

Schematic diagram



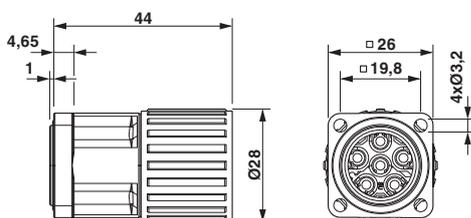
Connector pin assignment

Dimensioned drawing



Installation dimensions

Dimensioned drawing



Dimensional drawing

Diagram

