

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, 4x Ø 3.2, 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

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 278676
GTIN	4046356278676
Weight per Piece (excluding packing)	67.600 g
Custom tariff number	85366990
Country of origin	Germany

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
Pg housing screw connection	none
Mounting type	4x Ø 3.2

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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

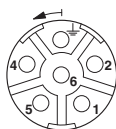
Installation height max.	3000 m
Nominal / operating voltage of power contacts	630 V
Rated surge voltage of power contacts	6 kV
Overvoltage category of power contacts	III
Degree of pollution of power contacts	3
Rated surge voltage of signal contacts	4 kV
Overvoltage category of signal contacts	III
Degree 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"

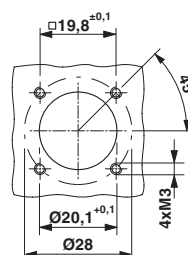
Drawings

Schematic diagram



Connector pin assignment

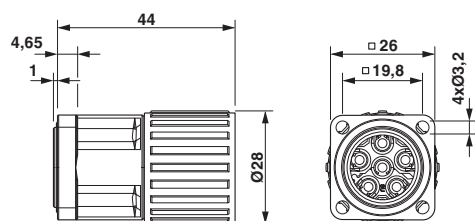
Dimensional drawing



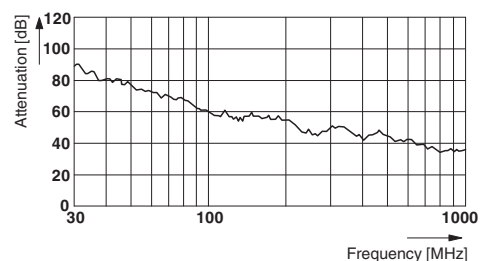
Installation dimensions

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Dimensional drawing



Diagram



Dimensional drawing

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	27440103
eCl@ss 9.0	27440102

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC001121
ETIM 5.0	EC002061
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

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UL Recognized / cUL Recognized / EAC / cULus Recognized

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Approvals

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E153698-20041116
mm²/AWG/kcmil		4.0
Nominal current I _N		27 A
Nominal voltage U _N		600 V

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E153698-20041116
mm²/AWG/kcmil		4.0
Nominal current I _N		18 A
Nominal voltage U _N		600 V

EAC		B.01742
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm
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Accessories

Accessories

Crimp contact

Crimp contact - SF-7PS2000 - 1605636



Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 0.25 mm²...1 mm²

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Accessories

Crimp contact - SF-7NS2000 - 1605631



Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 0.75 mm²...1.5 mm²

Crimp contact - SF-7QS2000 - 1605643



Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 1 mm²...2.5 mm²

Crimp contact - SF-7MS2000 - 1605628



Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 4 mm²...4 mm²

Mounting material

Torque screwdriver - SF-Z0028 - 1607456



Torque screwdriver

Hook wrench - SF-Z0027 - 1607455



Hook wrench

Protective cover

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Accessories

Plastic dust protection cap - RC-Z2058 - 1604223



Plastic dust protection cap for connectors with M23 knurled nuts

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
