


# SF-5ES1N8A80DU

Order No.: 1605532



<http://catalog.phoenixcontact.net/phoenix/treeViewClick.do?UID=1605532>

Cable connector, straight short, Screw locking, M23, Number of positions: 5+PE, Type of contact: Socket, Crimp connection, shielded: Yes, Cable diameter: 7.5 mm...14 mm

Commercial data	
EAN	4  046356 182171
sales group	D300
Pack	1 Pcs.
Customs tariff	85366990
Gross weight in pieces	0.1238 KG
Net weight per piece	0.1238 KG
Catalog page information	Page 368 (C-2-2013)

#### Product notes

WEEE/RoHS-compliant since: 01/01/2003



<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data	
<b>General</b>	
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	7.5 mm ... 14 mm

#### Ambient conditions

Ambient temperature	-20 °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	6 kV
Surge voltage category of signal contacts	III
Pollution degree of signal contacts	3

#### Certificates / Approvals



Certification

cULus Recognized

Certifications applied for:

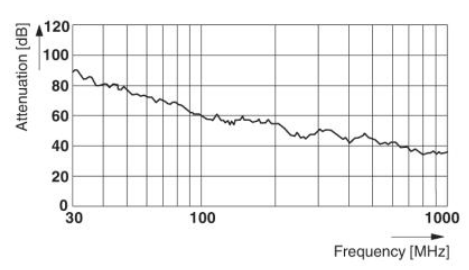
Certification Ex:

**Accessories**

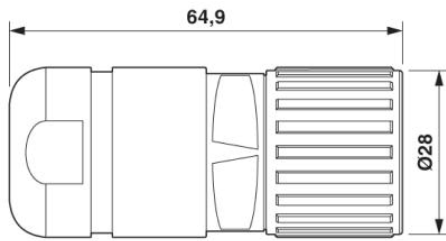
Item	Designation	Description
<b>General</b>		
1604223	RC-Z2058	Plastic dust protection cap for connectors with M23 knurled nuts
1611797	RC-Z2469	Plastic dust protection cap, anti-static, for RF, SF series connectors, with M23 external thread
1605459	SC-Z2322	Metal dust protection cap with steel wire for power plugs with M23 knurled nuts
1605628	SF-7MS2000	Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 4 mm <sup>2</sup> ...4 mm <sup>2</sup>
1605631	SF-7NS2000	Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 0.75 mm <sup>2</sup> ...1.5 mm <sup>2</sup>
1605636	SF-7PS2000	Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 0.25 mm <sup>2</sup> ...1 mm <sup>2</sup>
1605643	SF-7QS2000	Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 1 mm <sup>2</sup> ...2.5 mm <sup>2</sup>
1607455	SF-Z0027	Hook wrench
1607456	SF-Z0028	Torque screwdriver
1620585	SF-Z0064	Color-coding, Color: green
1620586	SF-Z0065	Color-coding, Color: orange
1620587	SF-Z0066	Color-coding, Color: black

**Drawings**

Diagram

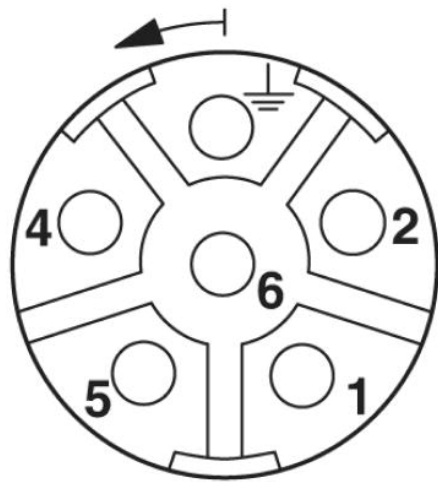


Dimensioned drawing



Dimensional drawing

Schematic diagram



Connector pin assignment

**Address**

PHOENIX CONTACT Deutschland GmbH  
Flachmarktstr. 8  
32825 Blomberg, Germany  
Phone +49 5235 3 12000  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>



© 2014 Phoenix Contact  
Technical modifications reserved;