

## Cable connector - SF-5ES1N8A8LDL - 1605549

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Cable connector, straight long, Screw locking, M23, number of positions: 5+PE, type of contact: Socket, Crimp connection, shielded: yes, cable diameter range: 7.5 mm...18 mm

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

### Why buy this product

- Consistent EMC protection for reliable connection solutions in the industrial environment
- Crimping connection: vibration- and temperature-resistant assembly
- Flexible use: reliably connect cable diameters of 7.5 mm ... 18 mm
- Molded designs with pre-assembled cables on one or both sides



### Key Commercial Data

Packing unit	1 STK
GTIN	
GTIN	4046356253567
Weight per Piece (excluding packing)	123.470 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

# Cable connector - SF-5ES1N8A8LDL - 1605549

## Technical data

### General

Contact diameter of signal contacts	2 mm
Nominal current per signal contact at 25°C	30 A
Conductor entry	7.5 mm ... 18 mm
Pg housing screw connection	none

### 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

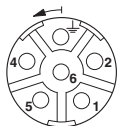
Installation height max.	3000 m
Nominal / operating voltage of power contacts	630 V
Rated surge voltage of power contacts	6 kV
Overvoltage category of power contacts	III
Degree of pollution of power contacts	3
Nominal / operating voltage of signal contacts	630 V
Rated surge voltage of signal contacts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

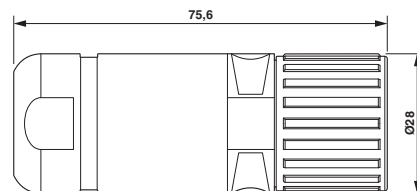
## Drawings

Schematic diagram



Connector pin assignment

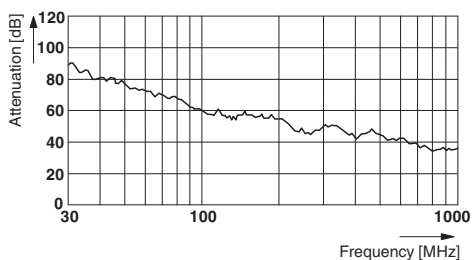
Dimensional drawing



Dimensional drawing

# Cable connector - SF-5ES1N8A8LDL - 1605549

Diagram



## Classifications

### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27242290
eCl@ss 5.1	27260701
eCl@ss 6.0	27260702
eCl@ss 7.0	27440102
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

# Cable connector - SF-5ES1N8A8LDL - 1605549

## 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
-----	--	---------

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>
------------------	--	---

## Accessories

### Accessories

#### Crimp contact

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>

## Cable connector - SF-5ES1N8A8LDL - 1605549

### Accessories

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>

---

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>

---

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>

---

### Mounting material

Color-coding - SF-Z0064 - 1620585



Color-coding, Color: green

---

Color-coding - SF-Z0065 - 1620586



Color-coding, Color: orange

---

## Cable connector - SF-5ES1N8A8LDL - 1605549

### Accessories

Color-coding - SF-Z0066 - 1620587



Color-coding, Color: black

---

Torque screwdriver - SF-Z0028 - 1607456



Torque screwdriver

---

Hook wrench - SF-Z0027 - 1607455



Hook wrench

---

Square mounting flange - SF-Z0068 - 1620927



Square mounting flange, 4xM3, Flange dimensions: 38 mm x 38 mm

---

### Protective cover

Plastic dust protection cap - RC-Z2058 - 1604223



Plastic dust protection cap for connectors with M23 knurled nuts

## Cable connector - SF-5ES1N8A8LDL - 1605549

### 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

---

---

Phoenix Contact 2017 © - all rights reserved  
<http://www.phoenixcontact.com>