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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: [info@chipsmall.com](mailto:info@chipsmall.com) Web: [www.chipsmall.com](http://www.chipsmall.com)

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## Cable connector - SF-7ES1N8A80A1 - 1605595

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Cable connector, straight short, Screw locking, M23, Number of positions: 4+3+PE, Type of contact: Socket, Crimp connection, Shielded: Yes, Cable cross section: 7.5 mm...9 mm



### Key commercial data

Packing unit	1 PCE
Weight per Piece (excluding packing)	121.3 GRM
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### General

Note	Order information Order crimp contacts 4 x Ø 1 mm, 4 x Ø 2 mm separately
Type of locking	Screw locking
Coding	N
Contact connection method	Crimp connection
Type of contacts	Socket
Number of positions	8
Contact diameter of power contacts	2 mm
Nominal current per power contact at 25°C	30 A
Contact diameter of signal contacts	1 mm
Nominal current per signal contact at 25°C	9 A
Conductor entry	7.5 mm ... 9 mm

#### Ambient conditions

Ambient temperature	-20 °C ... 125 °C
Degree of protection	IP67

# Cable connector - SF-7ES1N8A80A1 - 1605595

## Technical data

### 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
Nominal / operating voltage of signal contacts	250 V
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	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27260708
eCl@ss 7.0	27440312
eCl@ss 8.0	27440312

### 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

## Cable connector - SF-7ES1N8A80A1 - 1605595

### 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>

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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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##### Crimp contact - SF-6CS2000 - 1605562



Crimp contact, turned, Single contact, Contact diameter: 1 mm, Crimp range: 0.06 mm<sup>2</sup>...0.25 mm<sup>2</sup>



## Cable connector - SF-7ES1N8A80A1 - 1605595

### Accessories

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#### Crimp contact - SF-10KS004 - 1607356



Crimp contact, turned, Single contact, Contact diameter: 1 mm, Crimp range: 0.14 mm<sup>2</sup>...0.5 mm<sup>2</sup>

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#### Crimp contact - SF-6AS2000 - 1605557



Crimp contact, turned, Single contact, Contact diameter: 1 mm, Crimp range: 0.25 mm<sup>2</sup>...1 mm<sup>2</sup>

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### Mounting material

#### Color-coding - SF-Z0064 - 1620585



Color-coding, Color: green

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#### Color-coding - SF-Z0065 - 1620586



Color-coding, Color: orange

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#### Color-coding - SF-Z0066 - 1620587



Color-coding, Color: black

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## Cable connector - SF-7ES1N8A80A1 - 1605595

### Accessories

#### Protective cover

Plastic dust protection cap - RC-Z2058 - 1604223



Plastic dust protection cap for connectors with M23 knurled nuts

Plastic anti-static dust protection cap - RC-Z2469 - 1611797



Plastic dust protection cap, anti-static, for RF, SF series connectors, with M23 external thread

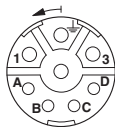
Metal dust protection cap - SC-Z2322 - 1605459



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

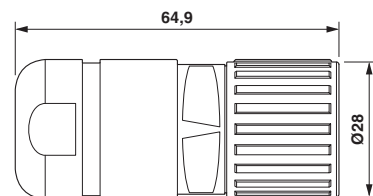
### Drawings

Schematic diagram



Connector pin assignment

Dimensioned drawing



Dimensional drawing

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Diagram

