

## Cable connector - SF-7ES1N8A8LDLS - 1618212

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, SPEEDCON locking, M23, Number of positions: 4+3+PE, Type of contact: Socket, Crimp connection, shielded: Yes, Cable diameter: 7.5 mm...18 mm



### Key commercial data

Packing unit	1 pc
GTIN	 4 046356 584517
Weight per Piece (excluding packing)	104.82 g
Custom tariff number	85366990
Country of origin	Germany
Product key	ABRCBH
Note	Made to Order (non-returnable)

### Technical data

#### General

Note	Order information Order crimp contacts 4 x Ø 1 mm, 4 x Ø 2 mm separately
Type of locking	SPEEDCON 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
Conductor entry	7.5 mm ... 18 mm

#### Ambient conditions

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

## Cable connector - SF-7ES1N8A8LDLS - 1618212

### Technical data

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	27440102

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC001121
ETIM 5.0	EC002641

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

### Approvals

Approvals

---

Approvals

UL Recognized / cUL Recognized / cULus Recognized

---

# Cable connector - SF-7ES1N8A8LDLS - 1618212

## Approvals

Ex Approvals

Approvals submitted

## Approval details

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

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

cULus Recognized	
------------------	--

## 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-7ES1N8A8LDLS - 1618212

### 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>

---

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>

---

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>

---

## Cable connector - SF-7ES1N8A8LDLS - 1618212

### Accessories

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>

---

### Mounting material

Color-coding - SF-Z0064 - 1620585



Color-coding, Color: green

---

Color-coding - SF-Z0065 - 1620586



Color-coding, Color: orange

---

Color-coding - SF-Z0066 - 1620587



Color-coding, Color: black

---

Torque screwdriver - SF-Z0028 - 1607456



Torque screwdriver

---

## Cable connector - SF-7ES1N8A8LDLS - 1618212

### Accessories

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

---

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



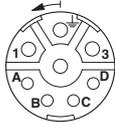
Metal dust protection cap with steel wire for power plugs with M23 knurled nuts

---

### Drawings

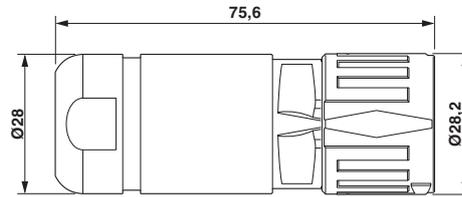
## Cable connector - SF-7ES1N8A8LDLS - 1618212

Schematic diagram



Connector pin assignment

Dimensioned drawing



Dimensional drawing