

## Cable connector - SM-7ES1N8A8L33S - 1613435

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Cable connector, straight, SPEEDCON locking, M40, Number of positions: 4+3+PE, Type of contact: Socket, Crimp connection, Shielded: Yes, Cable cross section: 14 mm...20.5 mm



### Key commercial data

Packing unit	1 1
Weight per Piece (excluding packing)	367.53 GRM
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### General

Note	Order information Order crimp contacts 4 x Ø 2 mm, 4 x Ø 3.6 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	3.6 mm
Nominal current per power contact at 25°C	70 A
Contact diameter of signal contacts	2 mm
Nominal current per signal contact at 25°C	30 A
Conductor entry	14 mm ... 20.5 mm

#### Ambient conditions

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

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## Technical data

### Material

Housing material	Turned parts: copper zinc alloy (CuZn), aluminum (Al), 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	EC002641

### UNSPSC

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

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### Accessories

#### Accessories

#### Crimp contact

Crimp contact - SM-36KS001 - 1605756



Crimp contact, turned, Single contact, Contact diameter: 3.6 mm, Crimp range: 1 mm<sup>2</sup>...2.5 mm<sup>2</sup>

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Crimp contact - SM-36KS002 - 1605758



Crimp contact, turned, Single contact, Contact diameter: 3.6 mm, Crimp range: 2.5 mm<sup>2</sup>...4 mm<sup>2</sup>

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Crimp contact - SM-36KS003 - 1605760



Crimp contact, turned, Single contact, Contact diameter: 3.6 mm, Crimp range: 4 mm<sup>2</sup>...6 mm<sup>2</sup>

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Crimp contact - SM-36KS004 - 1605762



Crimp contact, turned, Single contact, Contact diameter: 3.6 mm, Crimp range: 6 mm<sup>2</sup>...10 mm<sup>2</sup>

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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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### Accessories

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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>

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>

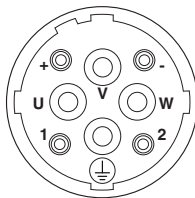
Crimp contact - SF-7MS2000 - 1605628



Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 4 mm<sup>2</sup>...4 mm<sup>2</sup>

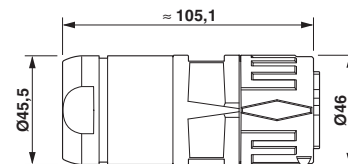
### Drawings

Schematic diagram



Connector pin assignment

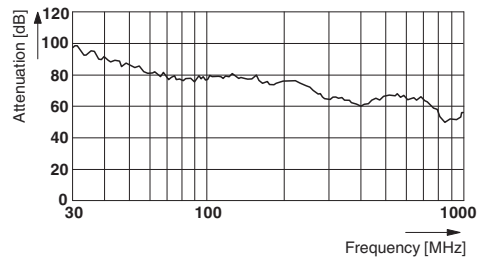
Dimensioned drawing



Dimensional drawing

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Diagram



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