

## Coupler connector - SM-5EP1N8A9L33S - 1613426

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Coupler connector, straight, SPEEDCON locking, M40, Number of positions: 2+3+PE, Type of contact: Male connector, Crimp connection, shielded: yes, Cable diameter: 14 mm...20.5 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 various cable diameters



### Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	400.0 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### General

Note	Order information: Order crimp contacts 2 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	Male connector
Number of positions	6
Contact diameter of power contacts	3.6 mm

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### Technical data

#### General

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
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), aluminum (Al), die-cast parts: zinc (GD-Zn)
Insulator material	PA 66
Gasket and O-ring material	FPM

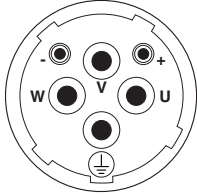
#### Specifications according to DIN EN 61984:2001

Installation height max.	3000 m
Nominal / operating voltage of power contacts	630 V
Rated surge voltage of power contacts	6 kV
Overvoltage category of power contacts	III
Degree of pollution of power contacts	3
Nominal / operating voltage of signal contacts	250 V
Rated surge voltage of signal contacts	4 kV
Overvoltage category of signal contacts	III
Degree of pollution of signal contacts	3

### Drawings

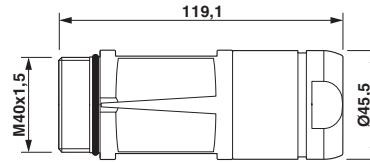
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Schematic diagram



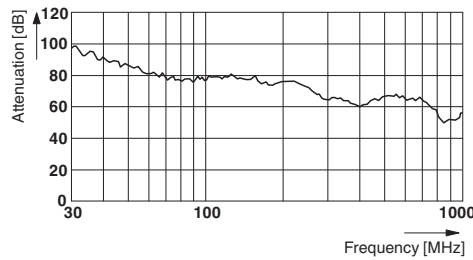
Connector pin assignment

Dimensional drawing



Dimensional drawing

Diagram



## 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
eCl@ss 9.0	27440103

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC001121
ETIM 5.0	EC002635

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## Classifications

### UNSPSC

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

## Approvals

### Approvals

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#### Approvals

EAC

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#### Ex Approvals

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#### Approvals submitted

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## Approval details

EAC
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## Accessories

### Accessories

#### Crimp contact

Crimp contact - SM-36KP005 - 1605749



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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### Accessories

Crimp contact - SM-36KP006 - 1605750



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-36KP008 - 1605754



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-36KP007 - 1605752



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 - SM-20KP006 - 1605738



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 - SM-20KP005 - 1605736



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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### Accessories

Crimp contact - SM-20KP007 - 1605739



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 - SM-20KP008 - 1605741



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

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### Mounting material

Plastic dust protection cap - SM-Z0001 - 1605866



Plastic dust protection cap for connectors with M40 external thread

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Color-coding - SM-Z0025 - 1620558



Color-coding, Color: green

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Color-coding - SM-Z0026 - 1620559



Color-coding, Color: orange

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## Coupler connector - SM-5EP1N8A9L33S - 1613426

### Accessories

Color-coding - SM-Z0027 - 1620560



Color-coding, Color: black

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