

## Coupler connector - SM-7EP1N8A9L33S - 1613432

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



### Key commercial data

|                                      |            |
|--------------------------------------|------------|
| Packing unit                         | 1 1        |
| Weight per Piece (excluding packing) | 136.13 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                           | Male connector   |
| 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-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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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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### Accessories

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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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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



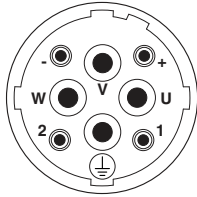
Plastic dust protection cap for connectors with M40 external thread

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### Drawings

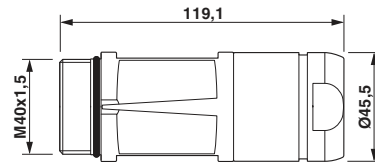
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Schematic diagram



Connector pin assignment

Dimensioned drawing



Dimensional drawing

Diagram

