

## Coupler connector - SM-5EP1N8A9005 - 1605775

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Coupler connector, straight short, Screw locking, M40, Number of positions: 2+3+PE, Type of contact: Male connector, Crimp connection, Shielded: Yes, Cable cross section: 21 mm...25.5 mm

The figure shows the 8-pos. (4+3+PE) product version



### Key commercial data

|                                      |           |
|--------------------------------------|-----------|
| Packing unit                         | 1 PCE     |
| Weight per Piece (excluding packing) | 645.3 GRM |
| 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                            | Screw 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   |
| 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                            | 21 mm ... 25.5 mm  |

#### Ambient conditions

|                     |                   |
|---------------------|-------------------|
| Ambient temperature | -20 °C ... 125 °C |
|---------------------|-------------------|

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## Technical data

### Ambient conditions

|                      |      |
|----------------------|------|
| Degree of protection | IP67 |
|----------------------|------|

### 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 | EC002641 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 43172015 |
| UNSPSC 7.0901 | 43201404 |
| UNSPSC 11     | 43172015 |
| UNSPSC 12.01  | 43201404 |

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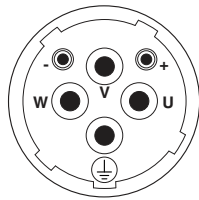
## Classifications

UNSPSC

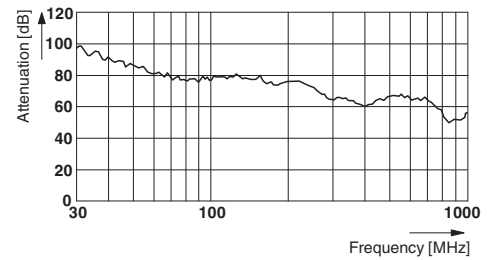
|             |          |
|-------------|----------|
| UNSPSC 13.2 | 43201404 |
|-------------|----------|

## Drawings

Schematic diagram



Diagram



Dimensioned drawing

