

## Power cable - SAC-3P-MSS/10,0-PVC PE SCO - 1411639

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Power cable, 3-position, PVC, black, Plug straight M12 SPEEDCON, S-coded, on free cable end, Cable length: 10 m, For AC current up to 16 A/230 V

### Why buy this product

- ✓ Easy and safe: 100% electrically tested plug-in components
- ✓ High-performance: AC connectors for up to 16 A and 230 V AC
- ✓ Protection against incorrect connection using special S-coding
- ✓ Save time, thanks to installation with SPEEDCON fast locking system



### Key commercial data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 pc  |
| GTIN                                 | <br>4 046356 937399 |
| Weight per Piece (excluding packing) | 22.22 g   |
| Custom tariff number                 | 85444290  |
| Country of origin                    | Germany   |
| Note                                 | Made to Order (non-returnable)  |

### Technical data

#### Dimensions

|                 |      |
|-----------------|------|
| Length of cable | 10 m |
|-----------------|------|

#### Ambient conditions

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Ambient temperature (operation) | -25 °C ... 105 °C (Plug / socket) |
| Degree of protection            | IP67                              |

#### General

|                       |        |
|-----------------------|--------|
| Rated current at 40°C | 16 A   |
| Rated voltage         | 230 V  |
| Number of positions   | 3      |
| Contact resistance    | ≤ 3 mΩ |

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## Technical data

### General

|                              |                        |
|------------------------------|------------------------|
| Insulation resistance        | > 100 MΩ               |
| Coding                       | S power                |
| Status display               | No                     |
| Protective circuit/component | Unwired                |
| Surge voltage category       | III                    |
| Pollution degree             | 3                      |
| Insertion/withdrawal cycles  | > 100                  |
| Torque                       | 0.4 Nm (M12 connector) |

### Material

|   |   |
|---|---|
| Inflammability class according to UL 94 | V0  |
| Contact material                        | CuZn  |
| Contact surface material                | Au  |
| Contact carrier material                | PA  |
| Material of grip body                   | TPU, hardly inflammable, self-extinguishing |
| Material, knurls                        | Zinc die-cast, nickel-plated                |

### Cable

|   |                                |
|---|--------------------------------|
| Cable type                                    | PVC black                      |
| Cable type (abbreviation)                     | PVC                            |
| Cable abbreviation                            | LSYwYw-JZ                      |
| UL AWM style                                  | 2517 (105°C/300 V)             |
| Conductor cross section                       | 3x 1.5 mm <sup>2</sup>         |
| AWG power supply                              | 16                             |
| Conductor structure, voltage supply           | 30x 0.25 mm                    |
| Core diameter including insulation            | 2.4 mm ±0.1 mm                 |
| Wire colors                                   | black 1, black 2, green/yellow |
| Overall twist                                 | 3 wires, twisted               |
| External sheath, color                        | black                          |
| External cable diameter D                     | 6.8 mm ±0.2 mm                 |
| Minimum bending radius, fixed installation    | 5 x D                          |
| Minimum bending radius, flexible installation | 12 x D                         |
| Cable weight                                  | 80 kg/km                       |
| Outer sheath, material                        | PVC                            |
| Material conductor insulation                 | PVC                            |
| Conductor material                            | Bare Cu litz wires             |
| Insulation resistance                         | ≥ 10 MΩ*km (at 20 °C)          |
| Conductor resistance                          | ≤ 13.3 Ω/km (at 20 °C)         |
| Nominal voltage, cable                        | 300 V AC                       |
| Test voltage, cable                           | 2000 V AC                      |
| Flame resistance                              | According to IEC 60332-1       |
|   | According to DIN EN 60332-1-2  |

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## Technical data

### Cable

|                                 |  |
|---------------------------------|--|
|                                 | According to VW-1                              |
|                                 | According to FT1                               |
| Ambient temperature (operation) | -40 °C ... 90 °C (cable, fixed installation)   |
|                                 | -5 °C ... 90 °C (cable, flexible installation) |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.1 | 27143423 |
| eCl@ss 6.0 | 27061801 |
| eCl@ss 8.0 | 27279218 |

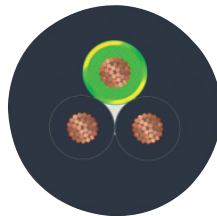
### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC001855 |
| ETIM 5.0 | EC001855 |

## Drawings

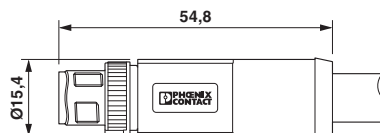
### Schematic diagram

### Cable cross section



Pin assignment of M12 plug, 3-pos., PVC black [PVC] coded, view of pin side

### Dimensioned drawing



M12 x 1 plug, straight

