

# SAC-6P- 3,0-PUR/S15FS PE - Power cable



1514499

<https://www.phoenixcontact.com/in/products/1514499>

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Power cable, 6-position, PUR halogen-free, black, free cable end, on Socket straight Size 15 Bayonet locking, cable length: 3 m, For alternating current up to 16 A/600 V

## Your advantages

- Protection against mismatching, thanks to special coding

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1514499       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Product key                          | AF1CDQ        |
| GTIN                                 | 4063151978518 |
| Weight per piece (including packing) | 682.2 g       |
| Weight per piece (excluding packing) | 680 g         |
| Country of origin                    | DE            |

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## Technical data

### Product properties

|                      |               |
|----------------------|---------------|
| Product type         | Power cable   |
| Application          | Energy supply |
| Number of positions  | 6             |
| No. of cable outlets | 1             |
| Shielded             | no            |

### Insulation characteristics

|                     |   |
|---------------------|---|
| Degree of pollution | 3 |
|---------------------|---|

### Material specifications

|  |                    |
|--|--------------------|
| Flammability rating according to UL 94 | V0                 |
| Material of grip body                  | PUR                |
| Contact material                       | Cu alloy           |
| Contact surface material               | Ag                 |
| Contact carrier material               | PA                 |
| Material for screw connection          | not available      |
| Outer sheath, material                 | PUR                |
| Conductor material                     | Bare Cu litz wires |

### Electrical properties

|                           |                  |
|---------------------------|------------------|
| Nominal voltage $U_N$     | 600 V AC (Power) |
|                           | 63 V (Signal)    |
| Nominal current $I_N$     | 16 A (Power)     |
|                           | 10 A (Signal)    |
| Max. conductor resistance | 7.98 $\Omega$ /m |

### Mechanical properties

#### Mechanical data

|                     |         |
|---------------------|---------|
| Max. bending cycles | 5000000 |
|---------------------|---------|

### Connector

#### Connection 1

|      |                |
|------|----------------|
| Type | free cable end |
|------|----------------|

#### Connection 2

|                     |   |
|---------------------|---|
| Type                | Socket straight Size 15 Bayonet locking |
| Number of positions | 6                                       |
| Locking type        | Bayonet locking                         |

### Cable/line

|              |     |
|--------------|-----|
| Cable length | 3 m |
|--------------|-----|

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## PUR halogen-free black [PUR]

|   |   |
|---|---|
| Number of positions                           | 6   |
| Shielded                                      | no  |
| Cable type                                    | PUR halogen-free black [PUR]  |
| AWG power supply                              | 14  |
| Conductor cross section                       | 6x 2.5 mm <sup>2</sup>  |
| Wire diameter incl. insulation                | 2.85 mm ±5 %  |
| External cable diameter                       | 10.50 mm  |
| Outer sheath, material                        | PUR   |
| External sheath, color                        | black   |
| Conductor material                            | Bare Cu litz wires  |
| Single wire, material                         | PP  |
| Single wire, color                            | black 1, black 2, black 3, black 4, black 5, green/yellow   |
| Thickness, insulation                         | Core insulation   |
| Overall twist                                 | 6 wires, twisted around filler  |
| Max. conductor resistance                     | max. 7.98 Ω/m   |
| Nominal voltage, cable                        | ≤ 1000 V  |
| Test voltage                                  | ≥ 10000 V   |
| Minimum bending radius, fixed installation    | 7.5 x D   |
| Minimum bending radius, flexible installation | 10 x D  |
| Smallest bending radius, fixed installation   | 79 mm   |
| Smallest bending radius, movable installation | 105 mm  |
| Dynamic load capacity (bending)               | Max. bending cycles: 5000000, Bending radius: 79 mm, Traversing rate: 3.3 m/s, Acceleration: 5 m/s <sup>2</sup> |
| Ambient temperature (operation)               | -50 °C ... 80 °C (cable, fixed installation)  |
|   | -25 °C ... 80 °C (Cable, flexible installation)   |

## Environmental and real-life conditions

### Ambient conditions

|   |                                  |
|---|----------------------------------|
| Degree of protection  | IP65                             |
|   | IP67 (When plugged in)           |
| Ambient temperature (operation) (male connector/female connector) | -30 °C ... 85 °C (Plug / socket) |

## Standards and regulations

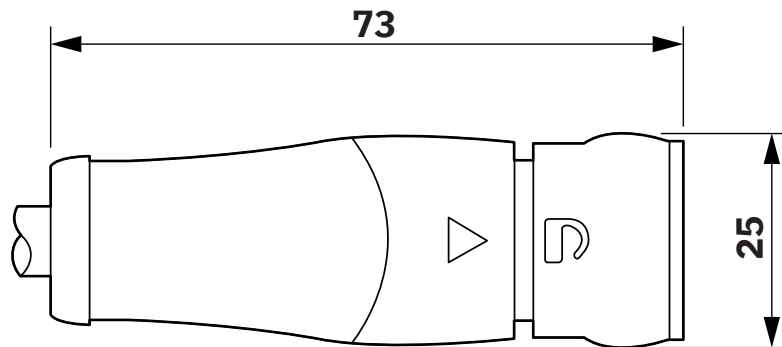
|                          |                 |
|--------------------------|-----------------|
| Standards/specifications | IEC 61076-2-116 |
|--------------------------|-----------------|

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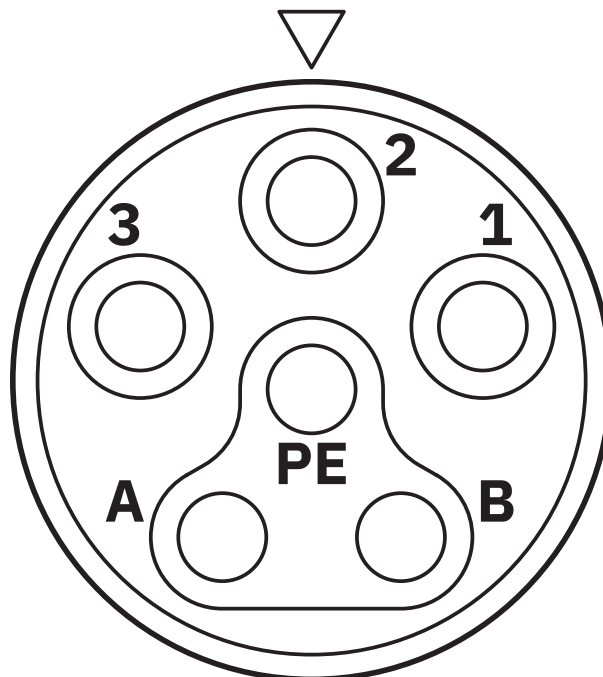
## Drawings

Dimensional drawing



M15 female connector, straight

Schematic diagram



M15 female connector pin assignment, 6-pos., view: female connector side

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Circuit diagram



Contact assignment of the M12 socket

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27060327 |
| ECLASS-15.0 | 27060327 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC001855 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 26121600 |
|-------------|----------|

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## Environmental product compliance

### EU RoHS

|   |      |
|---|------|
| Fulfills EU RoHS substance requirements | Yes  |
| Exemption                               | 6(c) |

### China RoHS

|  |   |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50   |
|  | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

### EU REACH SVHC

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1)                 |
| SCIP                                | 2e193d02-4039-4ffa-9e61-0bccdd0d21e1 |

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PHOENIX CONTACT (I) Pvt. Ltd.

A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420

[info@phoenixcontact.co.in](mailto:info@phoenixcontact.co.in)