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# SAC-6P-S15MS/10,0-PUR PE - Power cable

1514496

https://www.phoenixcontact.com/gb/products/1514496

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Power cable, 6-position, PUR halogen-free, black, Plug straight Size 15 Bayonet locking, on free cable end, cable length: 10 m, For alternating current up to 16 A/600 V

## Your advantages

- Protection against mismatching, thanks to special coding

## Commercial data

| | |
|---|---|
| Item number | 1514496 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AF1CDQ |
| Product key | AF1CDQ |
| GTIN | 4063151978501 |
| Weight per piece (including packing) | 2,077.7 g |
| Weight per piece (excluding packing) | 2,077 g |
| Customs tariff number | 85444290 |
| Country of origin | DE |

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## Technical data

### Product properties

| | |
|---|---|
| Product type | Power cable |
| Application | Power 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 Ω/m |

### Mechanical properties

Mechanical data

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

### Connector

Connection 1

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

Connection 2

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

### Cable/line

| | |
|---|---|
| Cable length | 10 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 mm² |
| 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/s² |
| 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) | -30 °C ... 85 °C (Plug / socket) |

## Standards and regulations

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

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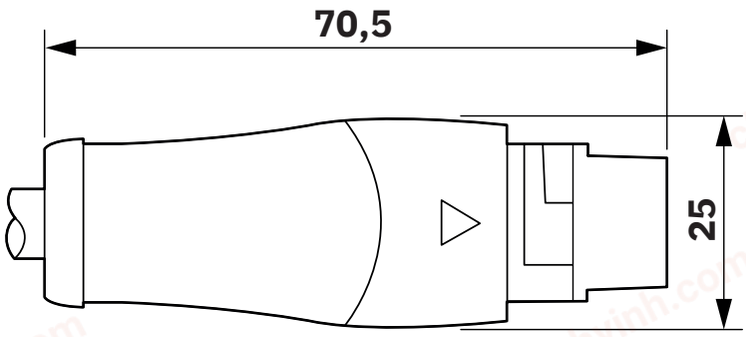
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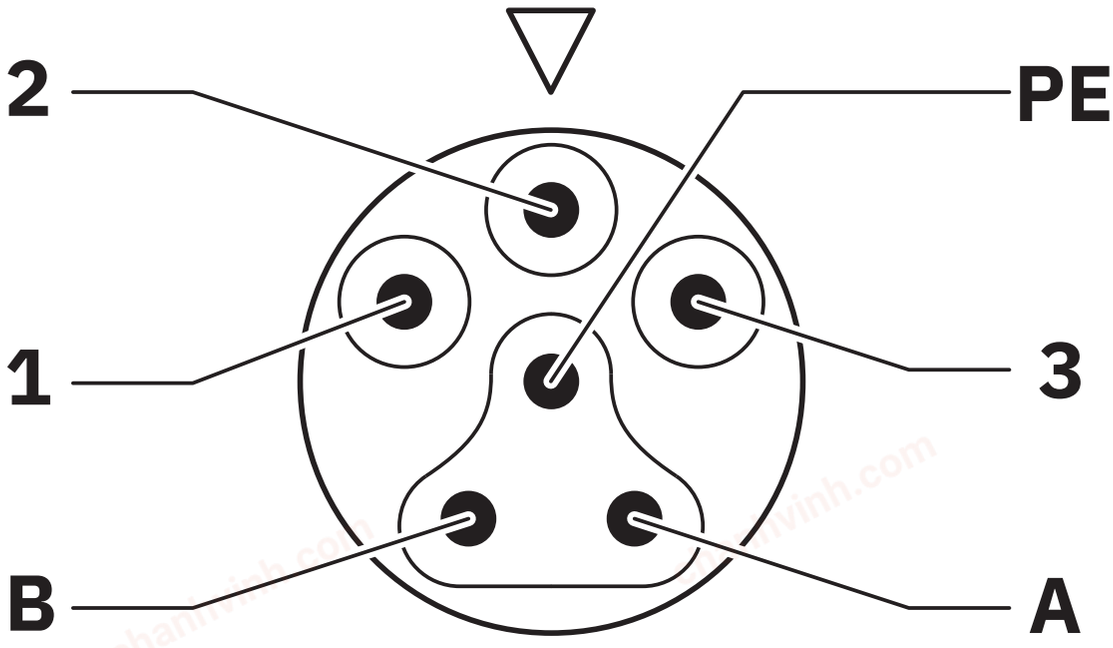
## Drawings

Dimensional drawing




M15 male connector, straight

Schematic diagram




M15 male connector pin assignment, 6-pos., pin side view

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Circuit diagram




Contact assignment of the M15 connector

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## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-11.0 | 27060311 |
| ECLASS-12.0 | 27060311 |
| ECLASS-13.0 | 27060327 |

### ETIM

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

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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 | f664ef3e-d7c2-4586-a89c-a834447939b2 |

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