

Power cable - SAC-3P- 1,0-PVC/FRS PE SCO - 1411648

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Power cable, 3-position, PVC, black, free cable end, on Socket angled M12 SPEEDCON, S-coded, Cable length: 1 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 STK |
| GTIN |  4 046356 936743 |
| GTIN | 4046356936743 |

Technical data

Dimensions

| | |
|-----------------|-----|
| Length of cable | 1 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 |
| Rated surge voltage | 2 kV |
| Number of positions | 3 |
| Insulation resistance | > 100 MΩ |
| Coding | S power |

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Technical data

General

| | |
|------------------------------|------------------------|
| Status display | No |
| Protective circuit/component | Unwired |
| Overvoltage category | III |
| Degree of pollution | 3 |
| Insertion/withdrawal cycles | > 100 |
| Torque | 0.4 Nm (M12 connector) |

Material

| | |
|--|---|
| Flammability rating 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 |

Standards and Regulations

| | |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

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 ² |
| 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 |

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Cable

| | |
|---------------------------------|--|
| | According to DIN EN 60332-1-2 |
| | According to VW-1 |
| | According to FT1 |
| Ambient temperature (operation) | -40 °C ... 90 °C (cable, fixed installation) |
| | -5 °C ... 90 °C (cable, flexible installation) |

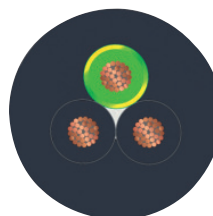
Drawings

Schematic diagram



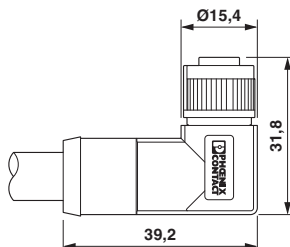
Pin assignment of M12 socket, 3-pos., S-coded, socket side view

Cable cross section



PVC black [PVC]

Dimensional drawing



M12 x 1 socket, angled