

SAC-3P-10,0-PVC/FRS PE PPH DMG1 - Power cable



1423358

<https://www.phoenixcontact.com/us/products/1423358>

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Power cable, 3-position, PVC, black, free cable end, on Socket angled M12 SPEEDCON, coding: S, cable length: 10 m, Customer version

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1423358 |
| Packing unit | 1 pc |
| Minimum order quantity | 10 pc |
| Product key | AF1CBB |
| GTIN | 4055626347066 |
| Weight per piece (including packing) | 22.22 g |
| Weight per piece (excluding packing) | 22.22 g |
| Country of origin | DE |

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Technical data

Product properties

| | |
|---------------------|-------------|
| Product type | Power cable |
| Number of positions | 3 |

Insulation characteristics

| | |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution | 3 |

Electrical properties

| | |
|-----------------------|----------|
| Nominal voltage U_N | 230 V AC |
| | 230 V DC |
| Nominal current I_N | 12 A |

Connector

Connection 1

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

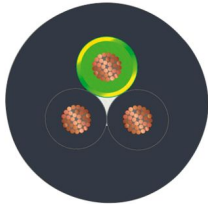
Connection 2

| | |
|--------------|----------------------------|
| Type | Socket angled M12 SPEEDCON |
| Locking type | SPEEDCON |
| Coding type | S |

Cable/line

| | |
|--------------|------|
| Cable length | 10 m |
|--------------|------|

PVC black [PVC]

| | |
|-------------------------------------|--|
| Dimensional drawing |  |
| Cable weight | 80 kg/km |
| UL AWM Style | 2517 (105 °C / 300 V) |
| Number of positions | 3 |
| Shielded | no |
| Cable type | PVC black [PVC] |
| Conductor structure, voltage supply | 30x 0.25 mm |
| AWG power supply | 16 |
| Conductor cross-section | 3x 1.5 mm ² |

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| | |
|---|--|
| Wire diameter incl. insulation | 2.4 mm ±0.1 mm |
| External cable diameter | 6.80 mm ±0.2 mm |
| Outer sheath, material | PVC |
| External sheath, color | black |
| Conductor material | Bare Cu litz wires |
| Material wire insulation | PVC |
| Single wire, color | black 1, black 2, green/yellow |
| Overall twist | 3 wires, twisted |
| Max. conductor resistance | ≤ 13.3 Ω/km (at 20 °C) |
| Insulation resistance | ≥ 10 MΩ*km (at 20 °C) |
| Nominal voltage, cable | 300 V AC |
| Test voltage | 2000 V AC |
| Minimum bending radius, fixed installation | 5 x D |
| Minimum bending radius, flexible installation | 12 x D |
| Smallest bending radius, fixed installation | 34 mm |
| Smallest bending radius, movable installation | 82 mm |
| Flame resistance | according to IEC 60332-1 |
| | 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) |

Environmental and real-life conditions

Ambient conditions

| | |
|----------------------|--|
| Degree of protection | IP65 |
| | IP67 (without preloading, as additional test in accordance with IEC 60529) |

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Classifications

ECLASS

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

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 31251501 |
|-------------|----------|

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Environmental product compliance

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.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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