

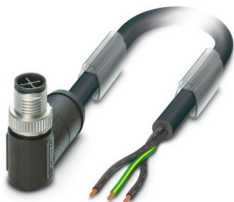
SAC-3P-M12MRS/10,0-PVC PE WD - Power cable



1423057

<https://www.phoenixcontact.com/us/products/1423057>

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Power cable, 3-position, PVC, black, Plug angled M12, coding: S, on free cable end, cable length: 10 m, for AC current up to 16 A/230 V

Your advantages

- Easy and safe: 100 % electrically tested plug-in components
- Protection against incorrect connection using special S-coding

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1423057 |
| Packing unit | 25 pc |
| Minimum order quantity | 50 pc |
| Product key | AF1CBB |
| GTIN | 4055626327341 |
| Weight per piece (including packing) | 22.22 g |
| Weight per piece (excluding packing) | 22.22 g |
| Country of origin | DE |

Technical data

Product properties

| | |
|----------------------|---------------|
| Product type | Power cable |
| Application | Energy supply |
| Number of positions | 3 |
| No. of cable outlets | 1 |
| Shielded | no |
| Coding | S |

Insulation characteristics

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

Material specifications

| | |
|--|------------------------------|
| Flammability rating according to UL 94 | V0 |
| Material of grip body | PP |
| Contact material | CuZn |
| Contact surface material | Ni/Au |
| Contact carrier material | PA |
| Material for screw connection | Zinc die-cast, nickel-plated |

Electrical properties

| | |
|-----------------------|----------------------------|
| Insulation resistance | $\geq 100 \text{ M}\Omega$ |
| Nominal voltage U_N | 230 V AC |
| Nominal current I_N | 16 A |

Mechanical properties

Mechanical data

| | |
|-----------------------------|-------|
| Insertion/withdrawal cycles | > 100 |
|-----------------------------|-------|

Connector

Connection 1

| | |
|-------------|-----------------|
| Type | Plug angled M12 |
| Coding type | S (Power) |

Connection 2

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

Cable/line

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

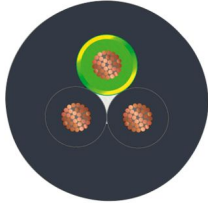
PVC black [PVC]

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| | |
|---|--|
| 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 mm² |
| 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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| |
|---|
| Ambient temperature (operation) (male connector/female connector) |
|---|

| |
|----------------------------------|
| -25 °C ... 85 °C (Plug / socket) |
|----------------------------------|

Standards and regulations

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|----------------------|
| Standard designation |
|----------------------|

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|---------------|
| M12 connector |
|---------------|

| |
|--------------------------|
| Standards/specifications |
|--------------------------|

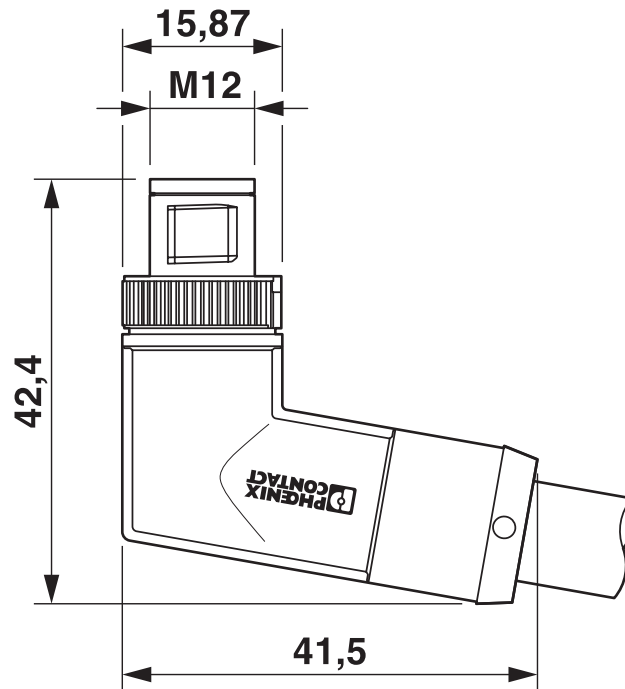
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| IEC 61076-2-111 |
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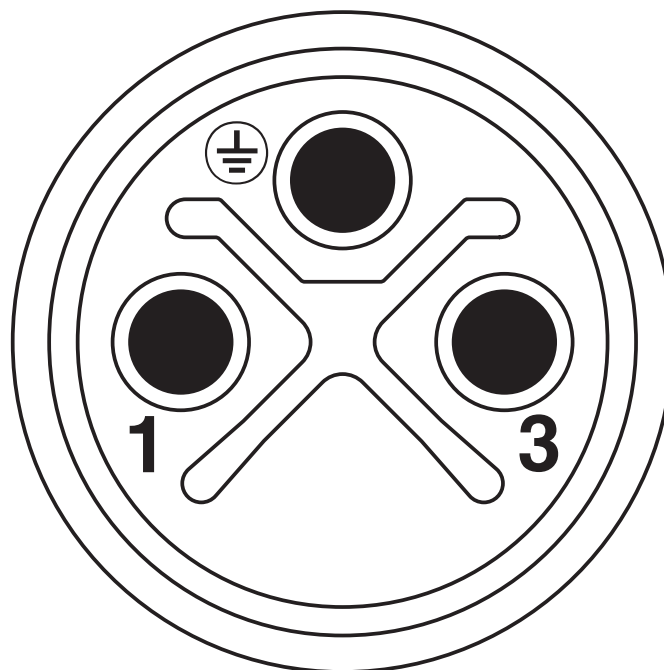
Drawings

Dimensional drawing



M12 x 1 male plug, angled

Schematic diagram



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

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Classifications

ECLASS

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

UNSPSC

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

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