

## Power cable - SAC-3P-M12MRS/ 2,0-PVC PE - 1411641

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Power cable, 3-position, PVC, black, Plug angled M12, S-coded, on free cable end, cable length: 2 m, for AC current up to 16 A/230 V

### Your advantages

- ✓ 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

### Key Commercial Data

|              |               |
|--------------|---------------|
| Packing unit | 1 pc          |
| GTIN         |               |
| GTIN         | 4046356937450 |

### Technical data

#### Dimensions

|                 |     |
|-----------------|-----|
| Length of cable | 2 m |
|-----------------|-----|

#### Ambient conditions

|                                 |                                  |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -25 °C ... 85 °C (Plug / socket) |
| Degree of protection            | IP67                             |

#### General

|                       |          |
|-----------------------|----------|
| Rated current at 40°C | 16 A     |
| Rated voltage         | 230 V AC |
|                       | 230 V DC |
| Number of positions   | 3        |
| Color handle area     | black    |
| Insulation resistance | ≥ 100 MΩ |
| Coding                | S power  |

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## Technical data

### General

|                              |                               |
|------------------------------|-------------------------------|
| Standards/regulations        | M12 connector IEC 61076-2-111 |
| 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               | Ni/Au                        |
| Contact carrier material               | PA                           |
| Material of grip body                  | PP                           |
| Material, knurls                       | Zinc die-cast, nickel-plated |

### Standards and Regulations

|  |                 |
|--|-----------------|
| Standard designation                   | M12 connector   |
| Standards/regulations                  | IEC 61076-2-111 |
| 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 <sup>2</sup>         |
| 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)         |

## Power cable - SAC-3P-M12MRS/ 2,0-PVC PE - 1411641

### Technical data

#### Cable

|                                 |  |
|---------------------------------|--|
| Nominal voltage, cable          | 300 V AC                                       |
| Test voltage, cable             | 2000 V AC                                      |
| 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) |

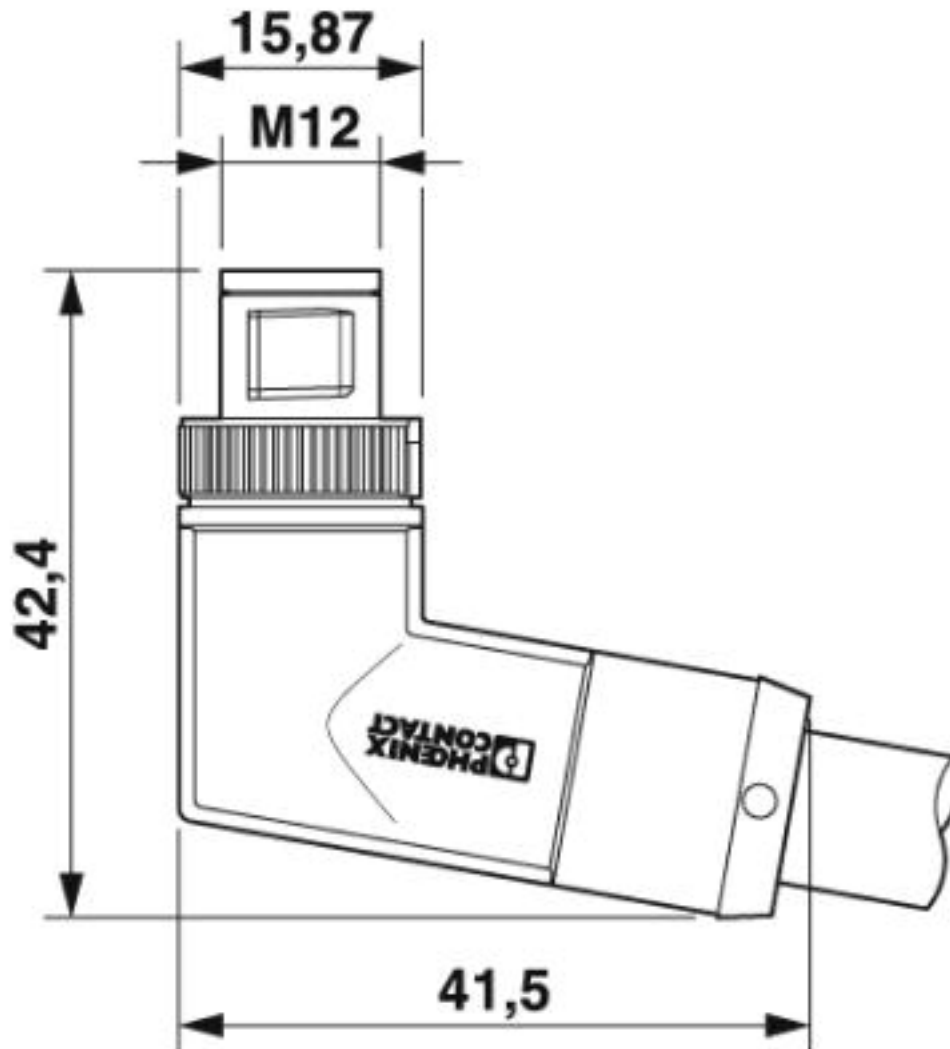
#### Environmental Product Compliance

|            |   |
|------------|---|
| REACH SVHC | Lead 7439-92-1  |
| China RoHS | Environmentally Friendly Use Period = 50  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

### Drawings

# Power cable - SAC-3P-M12MRS/ 2,0-PVC PE - 1411641

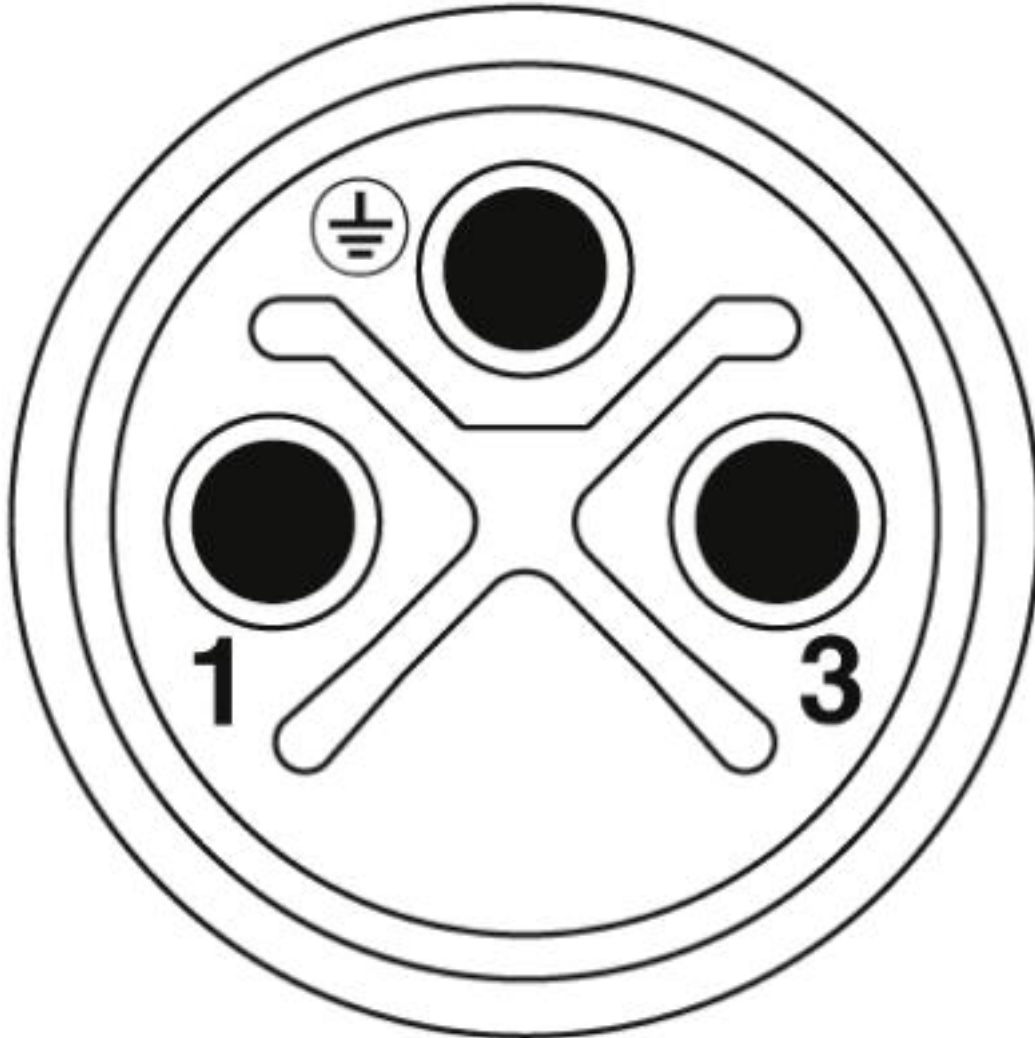
Dimensional drawing



M12 x 1 male plug, angled

## Power cable - SAC-3P-M12MRS/ 2,0-PVC PE - 1411641

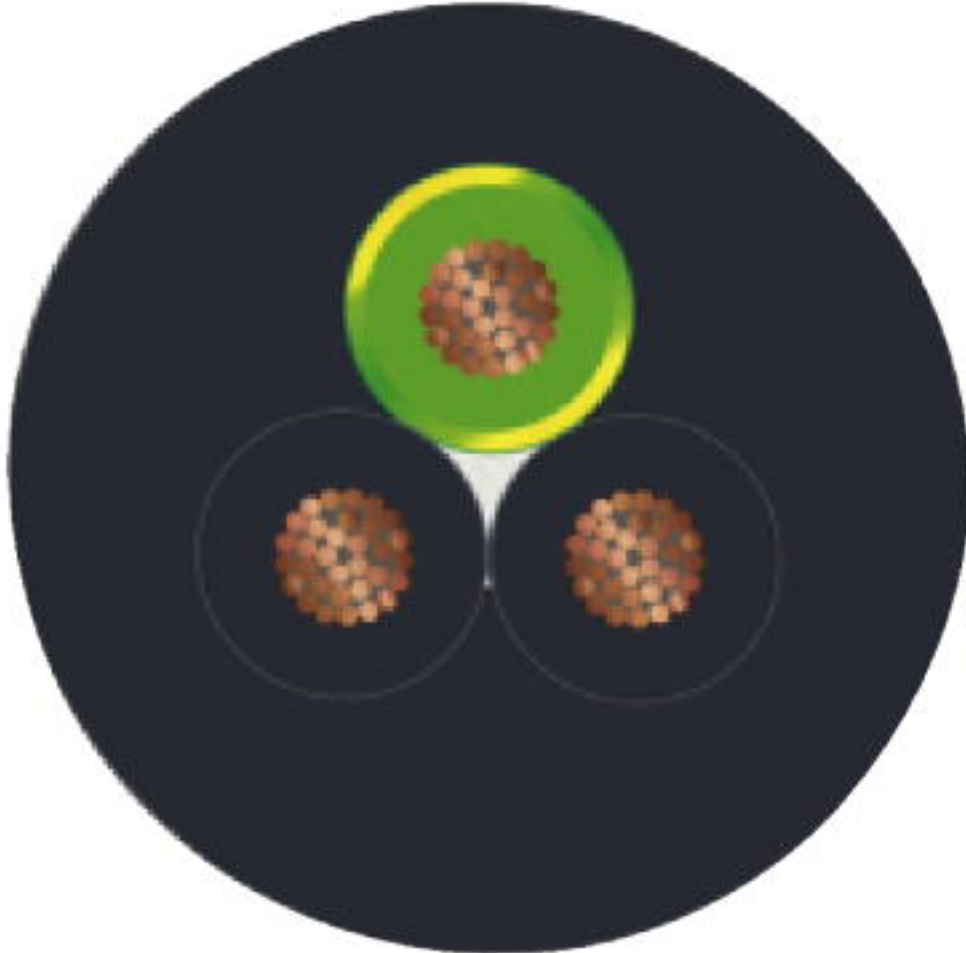
Schematic diagram



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

# Power cable - SAC-3P-M12MRS/ 2,0-PVC PE - 1411641

Cable cross section



PVC black [PVC]

## Approvals

Approvals

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Approvals

UL Listed / cUL Listed / EAC / cULus Listed

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Ex Approvals

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Approval details

# Power cable - SAC-3P-M12MRS/ 2,0-PVC PE - 1411641

## Approvals

|                            |  |   |               |
|----------------------------|--|---|---------------|
| UL Listed                  |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 468743 |
|                            |  |   |               |
| Nominal voltage UN         |  | 300 V   |               |
| Nominal current IN         |  | 12 A  |               |
| mm <sup>2</sup> /AWG/kcmil |  | 16  |               |

|                            |  |   |               |
|----------------------------|--|---|---------------|
| cUL Listed                 |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 468743 |
|                            |  |   |               |
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| mm <sup>2</sup> /AWG/kcmil |  | 16  |               |

|     |  |                          |
|-----|--|--------------------------|
| EAC |  | RU C-<br>DE.BL08.B.00286 |
|-----|--|--------------------------|

|              |  |
|--------------|--|
| cULus Listed |  |
|--------------|--|

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