

Power cable - SAC-4P- 3,0-PVC/M12FRL - 1425098

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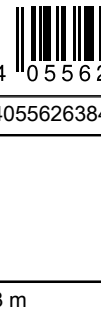


Power cable, 4-position, PVC, black-gray RAL 7021, Socket angled M12, L-coded, on free cable end, cable length: 3 m, for direct current up to 16 A/63 V

Your advantages

- ✓ Easy and safe: 100% electrically tested plug-in components
- ✓ High-performance: DC connectors for up to 16 A and 63 V DC
- ✓ Protection against mismatching, thanks to special L-coding

Key Commercial Data

| | |
|--------------|--|
| Packing unit | 1 pc |
| GTIN |  4 055626 384368 |
| GTIN | 4055626384368 |

Technical data

Dimensions

| | |
|-----------------|-----|
| Length of cable | 3 m |
|-----------------|-----|

Ambient conditions

| | |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -25 °C ... 85 °C (Plug / socket) |
| Degree of protection | IP65/IP67 |

General

| | |
|-----------------------|-------------------------------|
| Rated current at 40°C | 16 A |
| Rated voltage | 63 V DC |
| Number of positions | 4 |
| Color handle area | black |
| Insulation resistance | ≥ 100 MΩ |
| Coding | L - Power |
| Standards/regulations | M12 connector IEC 61076-2-111 |

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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 | 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 |
| Cable type (abbreviation) | PVC |
| UL AWM style | 20233 / 10493 (80°C/300 V) |
| Conductor cross section | 4x 2.5 mm ² |
| AWG power supply | 14 |
| Conductor structure, voltage supply | 141x 0.15 mm |
| Core diameter including insulation | 3 mm ±0.1 mm |
| Thickness, insulation | ≥ 0.36 mm |
| Wire colors | brown, white, blue, black |
| External sheath, color | black-gray RAL 7021 |
| Outer sheath thickness | approx. 0.76 mm |
| External cable diameter D | 9.5 mm ±0,3 mm |
| Minimum bending radius, fixed installation | 5 x D |
| Minimum bending radius, flexible installation | 10 x D |
| Number of bending cycles | 2000000 |
| Minimum bending radius, drag chain applications | 10 x D |
| Traversing path | 10 m |
| Traversing rate | 3 m/s |
| Acceleration | 10 m/s ² |
| Outer sheath, material | PVC |
| Material conductor insulation | PVC |

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Technical data

Cable

| | |
|---------------------------------|---|
| Conductor material | Bare Cu litz wires |
| Insulation resistance | ≥ 100 MΩ*km (at 20 °C) |
| Conductor resistance | ≤ 8 Ω/km (at 20 °C) |
| Nominal voltage, cable | ≤ 300 V AC |
| Test voltage, cable | ≥ 3000 V AC (Spark test) |
| Flame resistance | According to UL 758/1581 (Cable Flame) |
| | according to UL 758/1581 FT1 |
| | According to DIN EN 60332-1-2 |
| Resistance to oil | According to DIN EN 60811-404, 168 h at 60 °C |
| Ambient temperature (operation) | -40 °C ... 80 °C (cable, fixed installation) |
| | -20 °C ... 80 °C (cable, flexible installation) |

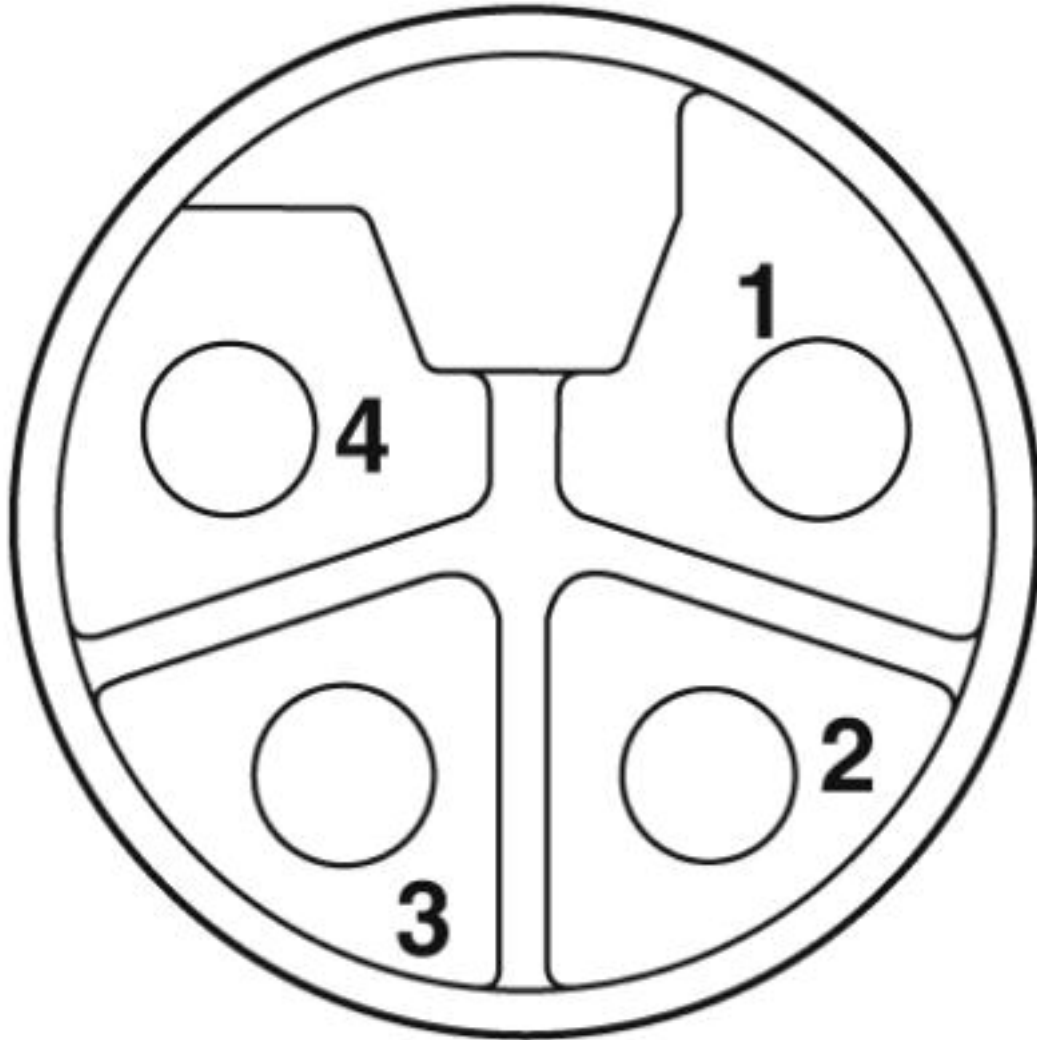
Environmental Product Compliance

| | |
|------------|---|
| 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-4P- 3,0-PVC/M12FRL - 1425098

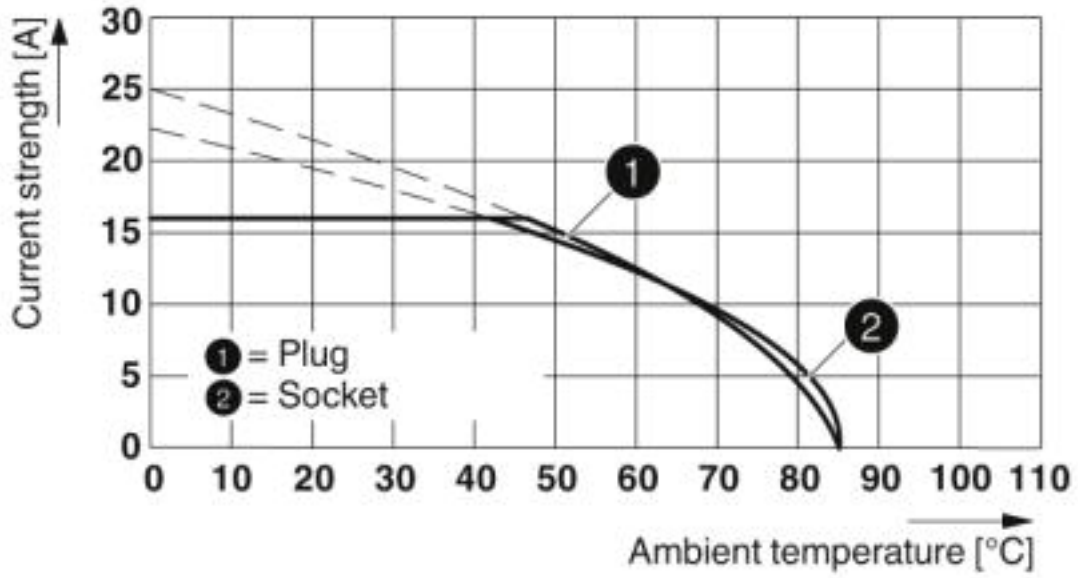
Schematic diagram



Pin assignment of M12 socket, 4-pos.

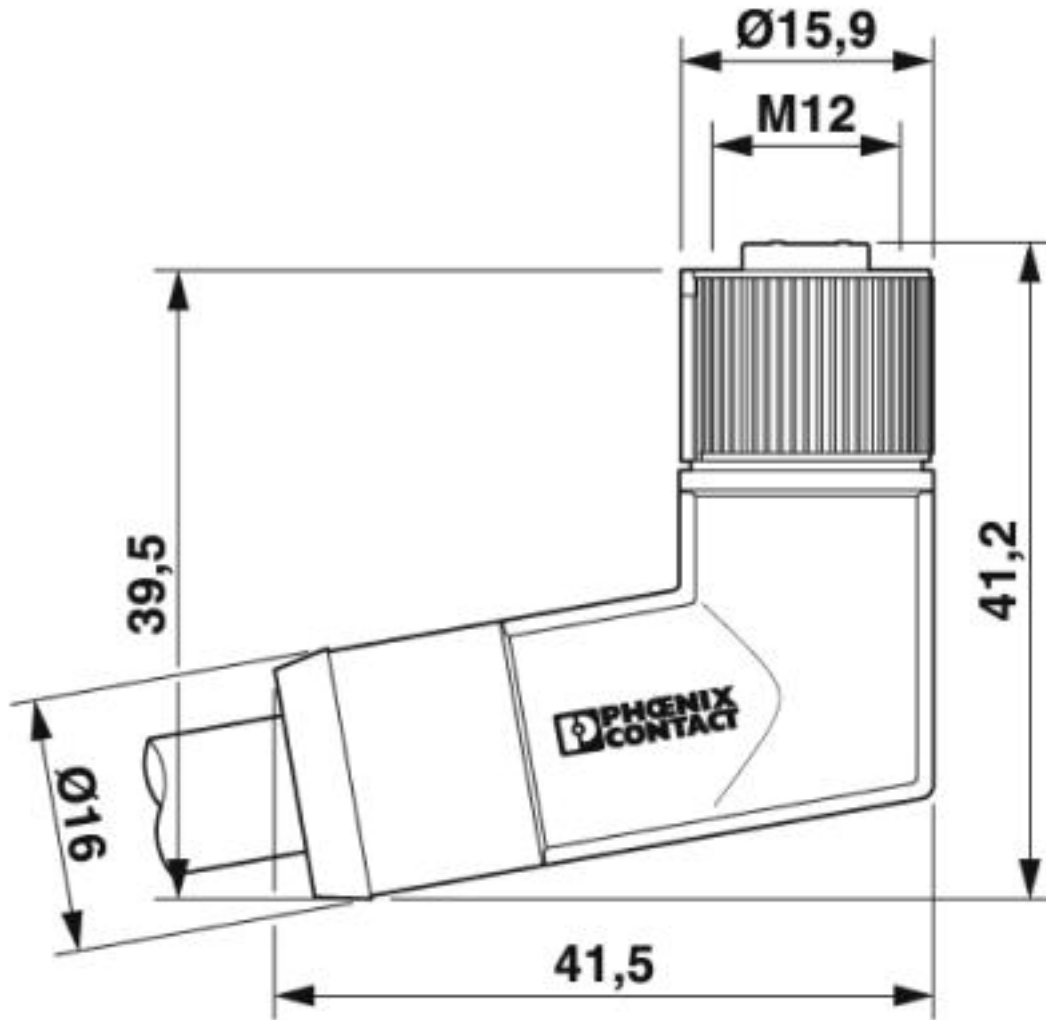
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Diagram



Power cable - SAC-4P- 3,0-PVC/M12FRL - 1425098

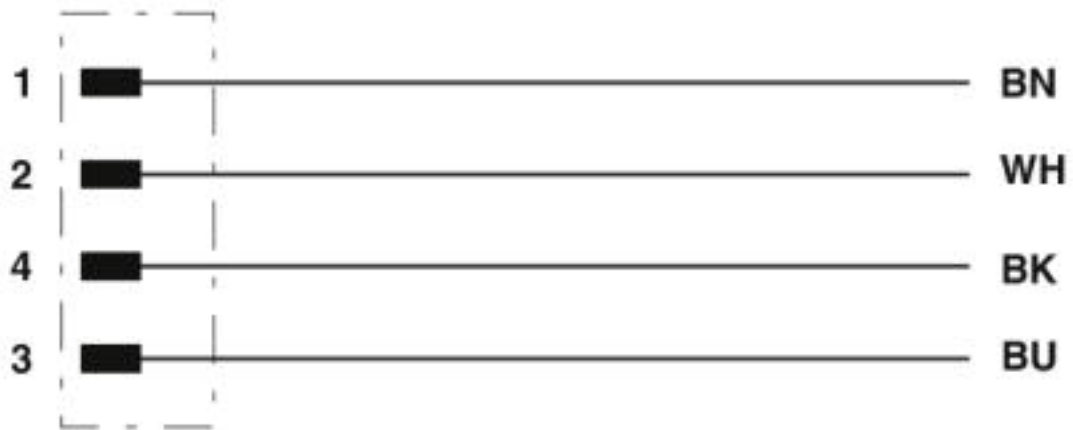
Dimensional drawing



M12 x 1 socket, angled

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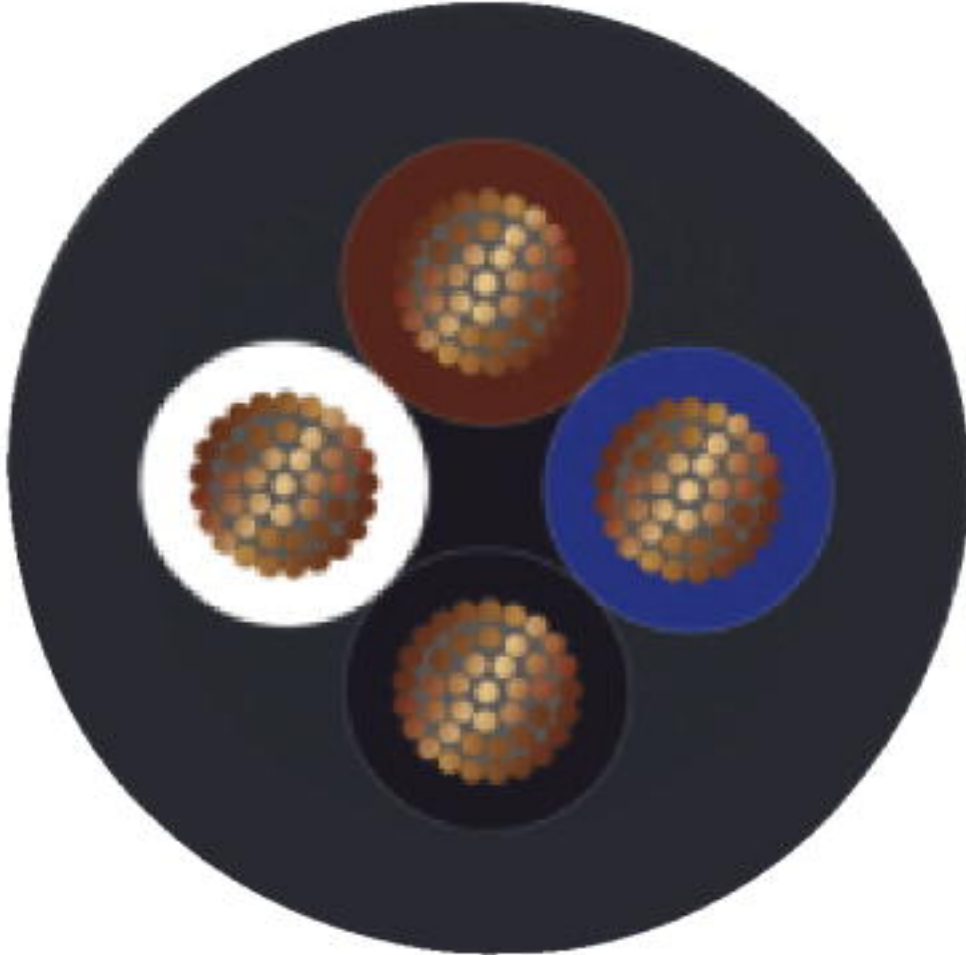
Circuit diagram



Contact assignment of the M12 socket

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Cable cross section



PVC [PVC]

Approvals

Approvals

Approvals


UL Listed / cUL Listed / EAC / cULus Listed


Ex Approvals

Approval details


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Approvals

| | | | |
|----------------------------|---|---|---------|
| UL Listed |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E468743 |
| Nominal voltage UN | | 63 V | |
| Nominal current IN | | 16 A | |
| mm ² /AWG/kcmil | | 14 | |

| | | | |
|----------------------------|---|---|---------|
| cUL Listed |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E468743 |
| Nominal voltage UN | | 63 V | |
| Nominal current IN | | 16 A | |
| mm ² /AWG/kcmil | | 14 | |

| | | |
|-----|---|--------------------------|
| EAC |  | RU C- DE.BL08.B.00286 |
|-----|---|--------------------------|

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

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