

SAC-4P- 5,0-PUR/M12FST 0,1 AE - Power cable



1026604

<https://www.phoenixcontact.com/us/products/1026604>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Power cable, 4-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Socket straight M12, coding: T, cable length: 5 m, For direct current up to 12 A/63 V, with ferrules

Your advantages

- Easy and safe: 100 % electrically tested plug-in components
- Protection against incorrect connection using special T-coding
- Our standard: robust halogen-free PUR cable

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1026604 |
| Packing unit | 1 pc |
| Minimum order quantity | 100 pc |
| Note | Made to order (non-returnable) |
| Product key | AF1CCQ |
| GTIN | 4055626519449 |
| Weight per piece (including packing) | 549.06 g |
| Weight per piece (excluding packing) | 549.06 g |
| Country of origin | PL |

SAC-4P- 5,0-PUR/M12FST 0,1 AE - Power cable



1026604

<https://www.phoenixcontact.com/us/products/1026604>

Technical data

Product properties

| | |
|----------------------|---------------|
| Product type | Power cable |
| Application | Energy supply |
| Number of positions | 4 |
| No. of cable outlets | 1 |
| Shielded | no |
| Coding | T |

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 | $\geq 10 \text{ G}\Omega$ |
| Nominal voltage U_N | 63 V DC |
| Nominal current I_N | 12 A |

Mechanical properties

Mechanical data

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

Connector

Connection 1

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

Connection 2

| | |
|-------------|---------------------|
| Type | Socket straight M12 |
| Coding type | T (Power) |

Cable/line

| | |
|--------------|-----|
| Cable length | 5 m |
|--------------|-----|

PUR halogen-free black [PUR]

SAC-4P- 5,0-PUR/M12FST 0,1 AE - Power cable



1026604

<https://www.phoenixcontact.com/us/products/1026604>

| | |
|---|--|
| Dimensional drawing |  |
| Cable weight | 83 kg/km |
| UL AWM Style | 20549 / 10493 (80°C/300 V) |
| Number of positions | 4 |
| Shielded | no |
| Cable type | PUR halogen-free black [PUR] |
| Conductor structure, voltage supply | 44x 0.20 mm |
| AWG power supply | 16 |
| Conductor cross-section | 4x 1.5 mm ² |
| Wire diameter incl. insulation | 2.2 mm ±0.05 mm |
| External cable diameter | 6.75 mm ±0.2 mm |
| Outer sheath, material | PUR |
| External sheath, color | black-gray RAL 7021 |
| Conductor material | Bare Cu litz wires |
| Material wire insulation | PP |
| Single wire, color | brown, white, blue, black |
| Thickness, insulation | ≥ 0.26 mm |
| Thickness, outer sheath | approx. 0.70 mm |
| Overall twist | 4 wires, twisted |
| Max. conductor resistance | ≤ 14.1 Ω/km (at 20 °C) |
| Insulation resistance | ≥ 1 GΩ*km (at 20 °C) |
| Nominal voltage, cable | ≤ 300 V AC |
| Test voltage | ≥ 3000 V AC (Spark test) |
| Minimum bending radius, fixed installation | 5 x D |
| Minimum bending radius, flexible installation | 10 x D |
| Smallest bending radius, fixed installation | 34 mm |
| Smallest bending radius, movable installation | 68 mm |
| Dynamic load capacity (bending) | Max. bending cycles: 5000000, Bending radius: 10 x D, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s ² |
| Dynamic load capacity (torsion) | Torsion: ±180 °/m, Torsion cycles: 500000, Torsional frequency: 35 cycles/min. |
| Halogen-free | in accordance with DIN VDE 0472 part 815 in accordance with DIN EN 50267-2-1 |
| Flame resistance | According to UL 758/1581 (Cable Flame) in accordance with UL 758/1581 FT2 according to DIN EN 60332-2-2 |

SAC-4P- 5,0-PUR/M12FST 0,1 AE - Power cable



1026604

<https://www.phoenixcontact.com/us/products/1026604>

| | |
|---------------------------------|---|
| Resistance to oil | according to DIN EN 60811-404, 168 h at 100 °C |
| | according to UL 758, 168 h at 60 °C |
| Other resistance | Hydrolysis and microbe resistant as per VDE 0282 section 10 |
| | Low adhesion |
| | abrasion-resistant |
| | Resistant to salt water |
| Special properties | Flexible cable conduit capable |
| Ambient temperature (operation) | -50 °C ... 85 °C (cable, fixed installation) |
| | -30 °C ... 85 °C (Cable, flexible installation) |

Environmental and real-life conditions

Ambient conditions

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

SAC-4P- 5,0-PUR/M12FST 0,1 AE - Power cable



1026604

<https://www.phoenixcontact.com/us/products/1026604>

Drawings

Dimensional drawing

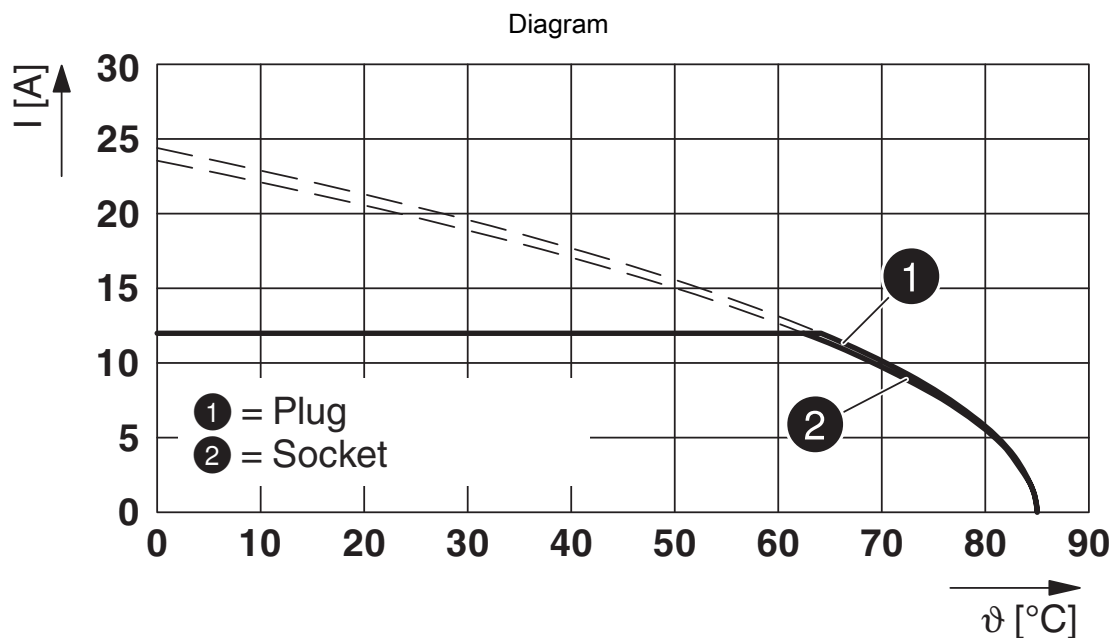


M12 x 1 socket, straight

Schematic diagram

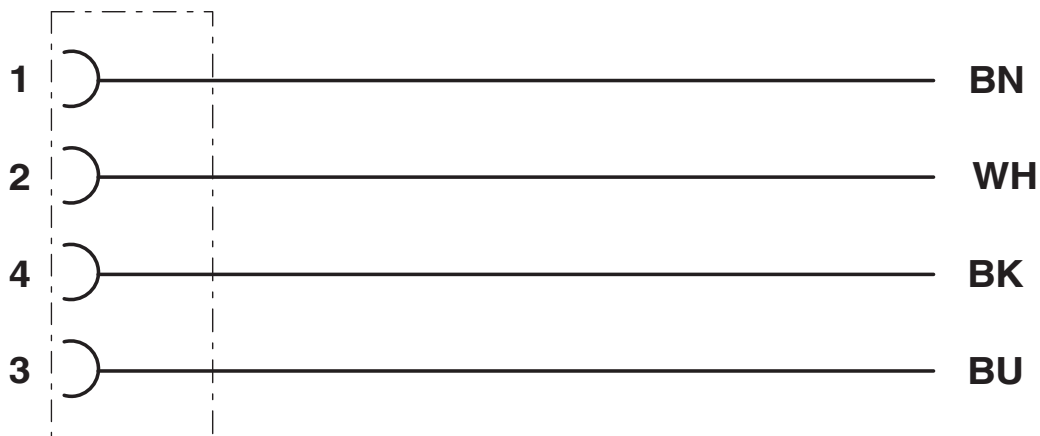


Pin assignment of M12 socket, 4-pos., T-coded, socket side view



Base curve

Circuit diagram



Contact assignment of the M12 socket

SAC-4P- 5,0-PUR/M12FST 0,1 AE - Power cable



1026604

<https://www.phoenixcontact.com/us/products/1026604>

Classifications

ECLASS

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

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 26121600 |
|-------------|----------|

SAC-4P- 5,0-PUR/M12FST 0,1 AE - Power cable



1026604

<https://www.phoenixcontact.com/us/products/1026604>

Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

China RoHS

| | |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com