

# SAC-2P-M12MST/0,515-PUR PI - Power cable



1007664

<https://www.phoenixcontact.com/us/products/1007664>

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Power cable, 2-position, PUR halogen-free, black-gray RAL 7021, Plug straight M12 SPEEDCON, coding: T, on free cable end, cable length: 0.515 m, Customer version

## Commercial data

Item number	1007664
Packing unit	1 pc
Minimum order quantity	50 pc
Product key	AF1CCP
GTIN	4055626480046
Weight per piece (including packing)	58.7 g
Weight per piece (excluding packing)	52 g
Country of origin	DE

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## Technical data

### Product properties

Product type	Power cable
Application	Energy supply
Number of positions	2
No. of cable outlets	1
Shielded	no
Coding	T

### Material specifications

Flammability rating according to UL 94	V2
Seal material	Silicon
Material of grip body	PP
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material for screw connection	Zinc die-cast, nickel-plated

### Electrical properties

Nominal voltage $U_N$	24 V AC
	63 V DC
Nominal current $I_N$	3 A

### Connector

#### Connection 1

Type	Plug straight M12 SPEEDCON
Locking type	SPEEDCON
Coding type	T (Power)

#### Connection 2

Type	free cable end
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### Cable/line

Cable length	0.515 m
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#### PUR halogen-free black [PUR]

Cable weight	57 kg/km
UL AWM Style	20233 / 10493 (80°C/300 V)
Number of positions	2
Cable type	PUR halogen-free black [PUR]
Conductor structure signal line	78x 0.15 mm
AWG signal line	16
Conductor cross-section	2x 1.5 mm <sup>2</sup>

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Wire diameter incl. insulation	2.25 mm ±0.05 mm
External cable diameter	6.40 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, blue
Thickness, outer sheath	≥ 0.76 mm
Max. conductor resistance	≤ 14.5 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	32 mm
Smallest bending radius, movable installation	64 mm
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) according to UL 758/1581 FT1 According to DIN EN 60332-1-2 (60 s)
Concentration of fumes	Degree of transmission < 60 %
Resistance to oil	According to DIN EN 60811-2-1, 168 h at 100°C
Other resistance	hydrolysis and microbe resistant Resistant to salt water Low adhesion abrasion-resistant
Special properties	flexible
Ambient temperature (operation)	-50 °C ... 80 °C (cable, fixed installation) -30 °C ... 80 °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)

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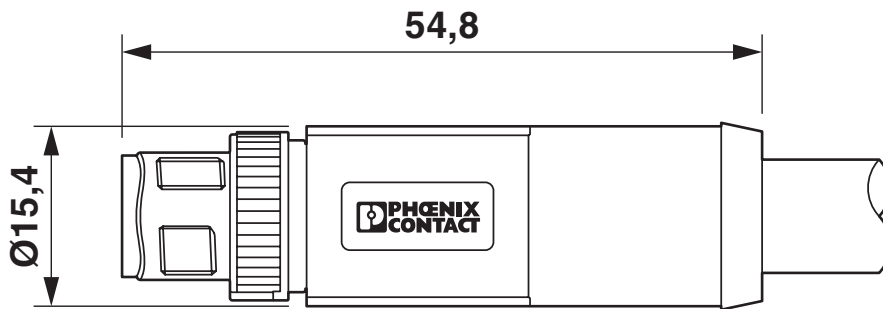


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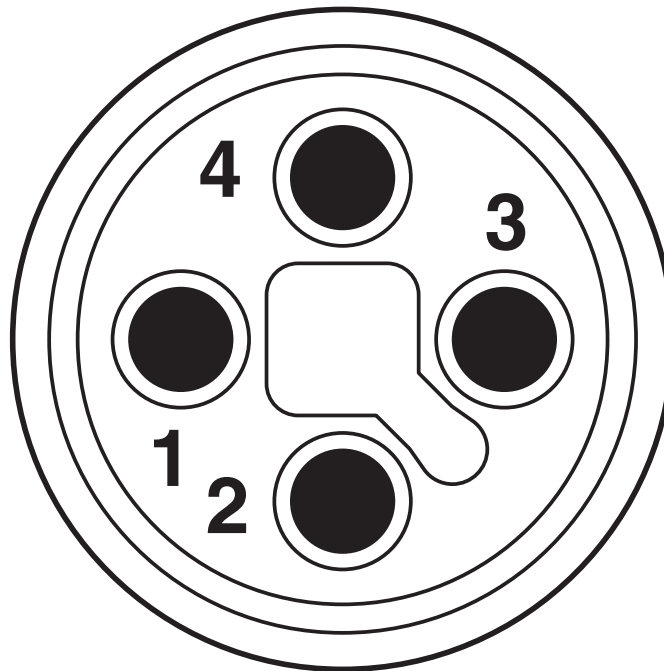
## Drawings

Dimensional drawing



Plug, M12 x 1, straight, shielded

Schematic diagram



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

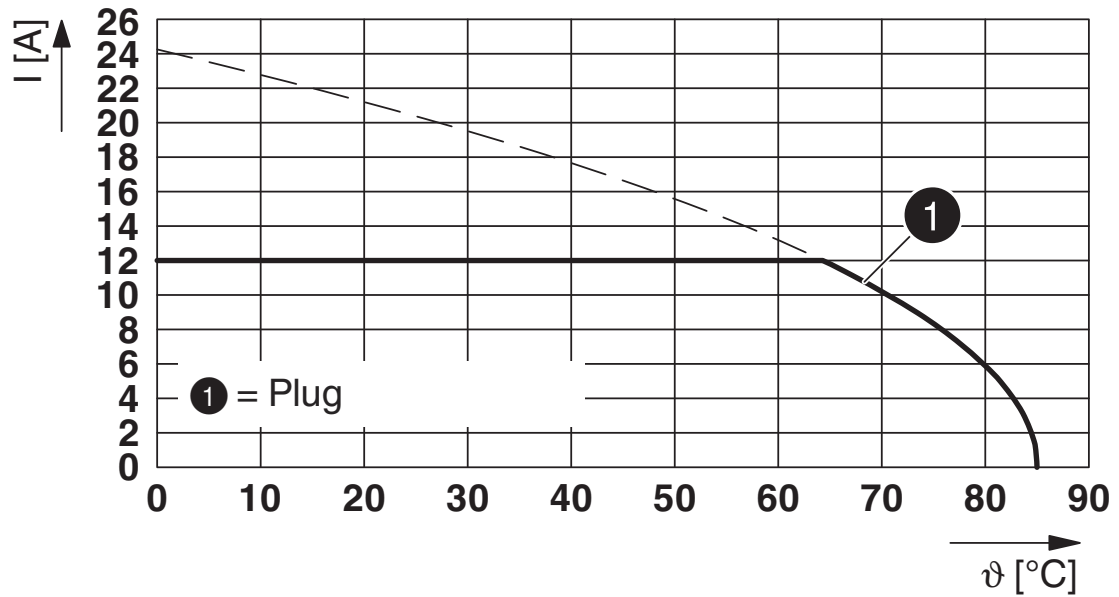
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Diagram



Base curve

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## Classifications

### ECLASS

ECLASS-13.0	27060327
ECLASS-15.0	27060327

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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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