

# SAC-4P-M12MSL/ 5,0-PUR/FSL - Power cable



1261835

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Power cable, 4-position, Plug straight M12, coding: L, on Socket straight M12, coding: L, cable length: 5 m, for direct current up to 16 A/63 V

## Your advantages

- Easy and safe: 100% electrically tested plug-in components
- Protection against mismatching, thanks to special L-coding
- Our standard: robust halogen-free PUR cable

## Commercial data

Item number	1261835
Packing unit	1 pc
Minimum order quantity	25 pc
Note	Made to order (non-returnable)
Sales key	BF05
Product key	BF1CCR
GTIN	4063151373962
Weight per piece (including packing)	752.38 g
Weight per piece (excluding packing)	752.38 g
Customs tariff number	85444290
Country of origin	PL

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## Technical data

### Product properties

Product type	Power cable
Number of positions	4
Application	Power supply
No. of cable outlets	1
Shielded	no
Coding	L

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Material specifications

Flammability rating according to UL 94	V0
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### Electrical properties

Nominal voltage $U_N$	63 V DC
Nominal current $I_N$	16 A
Protective circuit	unwired

### Connector

#### Connection 1

Type	Plug straight M12
Coding type	L (Power)


#### Connection 2

Type	Socket straight M12
Coding type	L (Power)

### Cable/line

Cable length	5 m
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### PUR halogen-free black [PUR]

Dimensional drawing	
UL AWM Style	20233 / 10493 (80°C/300 V)

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Number of positions	4
Shielded	no
Cable type	PUR halogen-free black [PUR]
Conductor cross section	4x 2.5 mm <sup>2</sup>
Wire diameter incl. insulation	2.85 mm ±0.1 mm
External cable diameter	8.8 mm ±0.25 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	≥ 0.31 mm
Thickness, outer sheath	approx. 0.76 mm
Max. conductor resistance	≤ 8 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
Max. bending cycles	4000000
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
Resistance to oil	according to DIN EN 60811-404, 168 h at 100 °C
Other resistance	Hydrolysis and microbe resistant as per VDE 0282 section 10 Low adhesion abrasion-resistant Resistant to salt water
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	IP65
	IP67

## Standards and regulations

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-111

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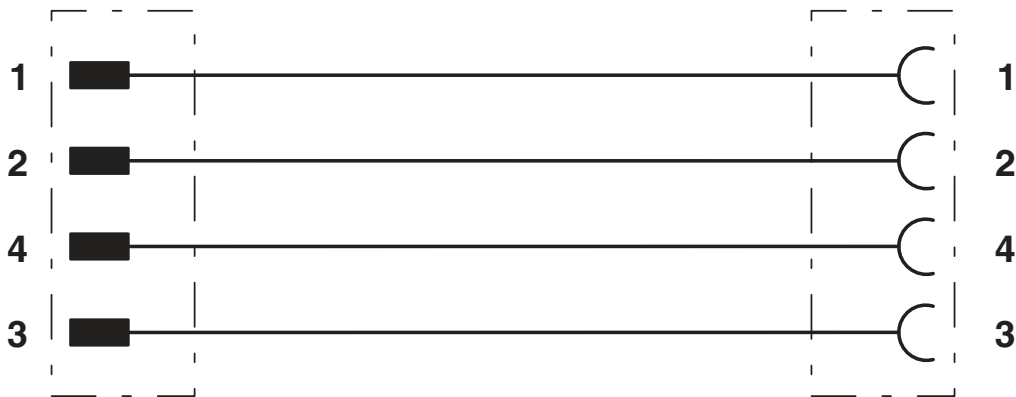


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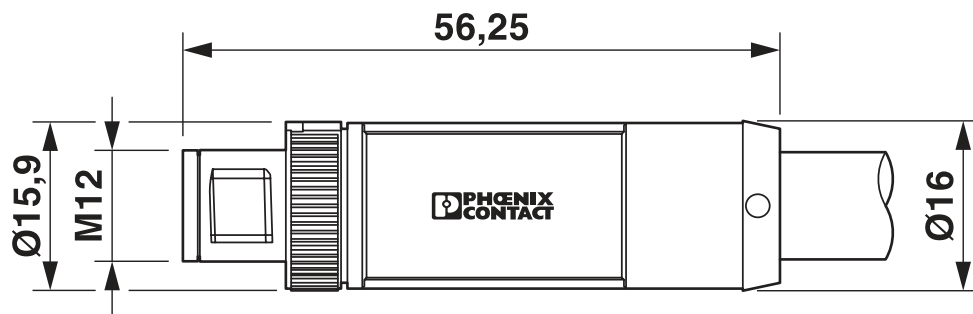
<https://www.phoenixcontact.com/us/products/1261835>

## Drawings

Circuit diagram



Dimensional drawing



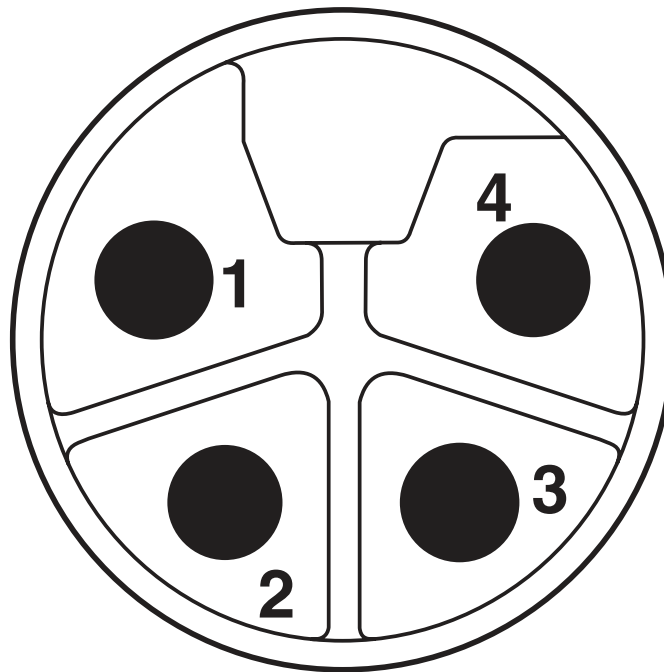
Plug, M12 x 1, straight, shielded

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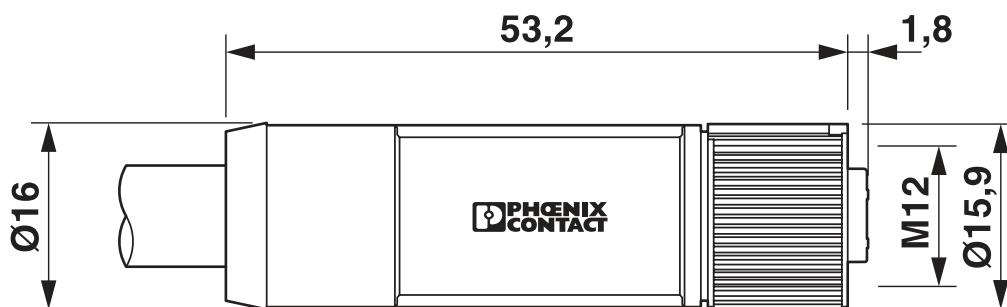
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Schematic diagram



Pin assignment M12 male connector, 4-pos.

Dimensional drawing



M12 x 1 socket, straight

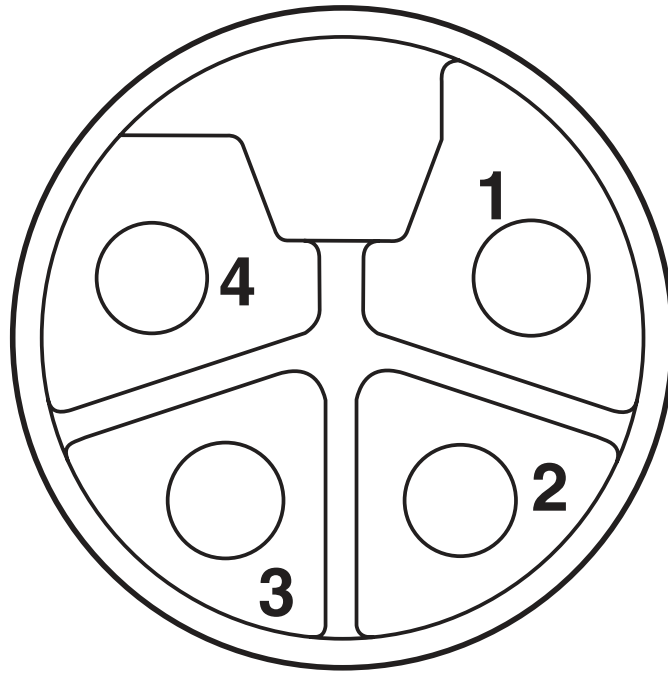
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Schematic diagram



Pin assignment of M12 socket, 4-pos.

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## Approvals

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**UL Listed**

Approval ID: E468743



**cUL Listed**

Approval ID: E468743

**cULus Listed**

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## Classifications

### ECLASS

ECLASS-11.0	27060311
ECLASS-12.0	27060311
ECLASS-13.0	27060311

### ETIM

ETIM 8.0	EC001855
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### UNSPSC

UNSPSC 21.0	26121600
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## Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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## Accessories

### PROT-M12 FS - Sealing cap

1560251

<https://www.phoenixcontact.com/us/products/1560251>



M12 sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

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### PROT M12 MS PWR - Screw plug

1092802

<https://www.phoenixcontact.com/us/products/1092802>



An M12 screw plug for the unoccupied M12 females of the M12 POWER connectors, boxes, and flush-type connectors

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