

SAC-4P-M12MSL/10,0-PUR/FSL - Power cable



1261819

<https://www.phoenixcontact.com/us/products/1261819>

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, Plug straight M12, coding: L, on Socket straight M12, coding: L, cable length: 10 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	1261819
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF05
Product key	BF1CCR
GTIN	4063151374457
Weight per piece (including packing)	1,475.93 g
Weight per piece (excluding packing)	1,475.93 g
Customs tariff number	85444290
Country of origin	PL

SAC-4P-M12MSL/10,0-PUR/FSL - Power cable



1261819

<https://www.phoenixcontact.com/us/products/1261819>

Technical data

Product properties

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

Data management status

Article revision	01
------------------	----

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Material specifications

Flammability rating according to UL 94	V0
--	----

Electrical properties

Nominal voltage U_N	63 V DC
Nominal current I_N	16 A

Connector

Connection 1

Type	Plug straight M12
Coding type	L (Power)

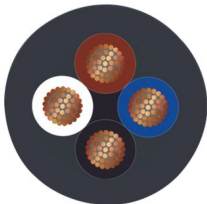
Connection 2

Type	Socket straight M12
Coding type	L (Power)

Cable/line

Cable length	10 m
--------------	------

PUR halogen-free black [PUR]

Dimensional drawing	
---------------------	--

SAC-4P-M12MSL/10,0-PUR/FSL - Power cable



1261819

<https://www.phoenixcontact.com/us/products/1261819>

Cable weight	144 kg/km
UL AWM Style	20233 / 10493 (80°C/300 V)
Number of positions	4
Shielded	no
Cable type	PUR halogen-free black [PUR]
Conductor cross section	4x 2.5 mm²
Wire diameter incl. insulation	2.85 mm ±0.1 mm
External cable diameter	8.80 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
Smallest bending radius, fixed installation	44 mm
Smallest bending radius, movable installation	88 mm
Dynamic load capacity (bending)	Max. bending cycles: 4000000, Bending radius: 10 x D, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s²
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

SAC-4P-M12MSL/10,0-PUR/FSL - Power cable



1261819

<https://www.phoenixcontact.com/us/products/1261819>

Standards and regulations

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

SAC-4P-M12MSL/10,0-PUR/FSL - Power cable

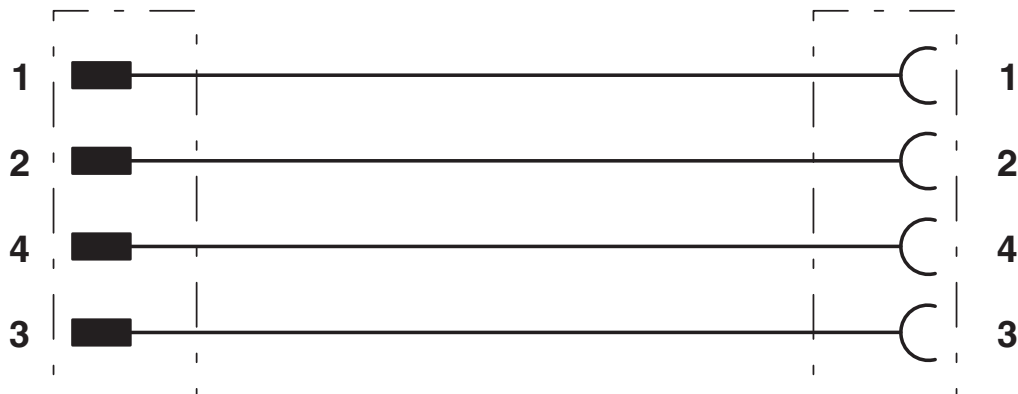


1261819

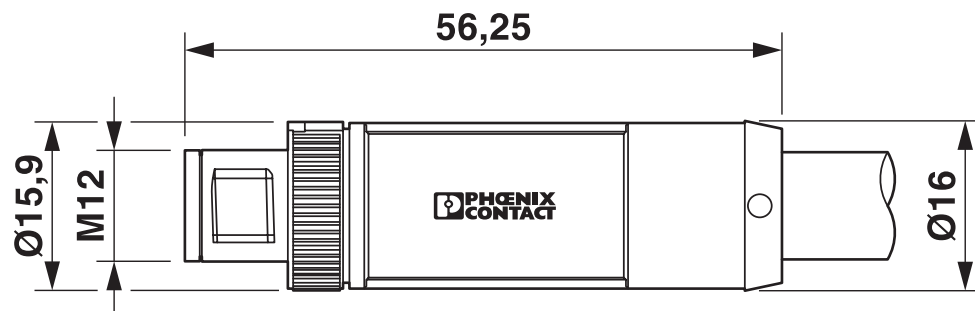
<https://www.phoenixcontact.com/us/products/1261819>

Drawings

Circuit diagram



Dimensional drawing



Plug, M12 x 1, straight, shielded

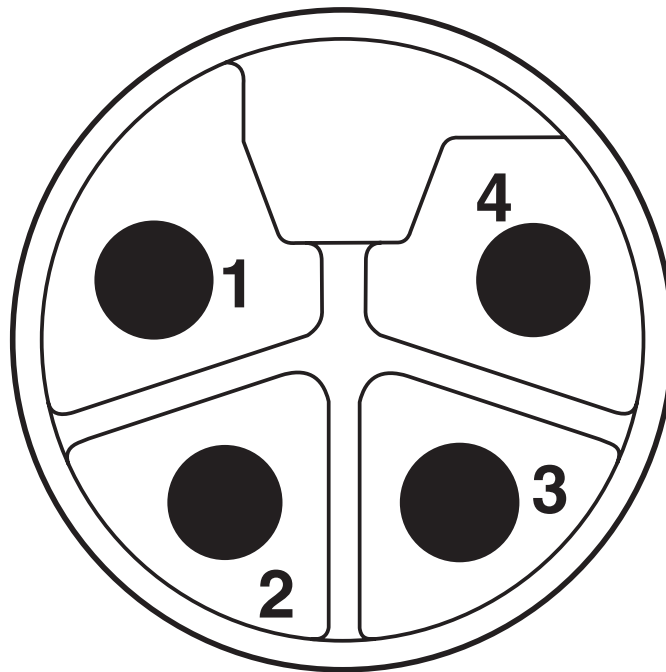
SAC-4P-M12MSL/10,0-PUR/FSL - Power cable



1261819

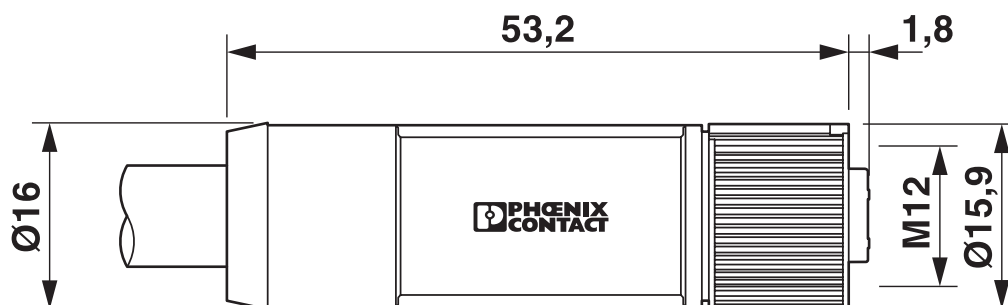
<https://www.phoenixcontact.com/us/products/1261819>

Schematic diagram



Pin assignment M12 male connector, 4-pos.

Dimensional drawing



M12 x 1 socket, straight

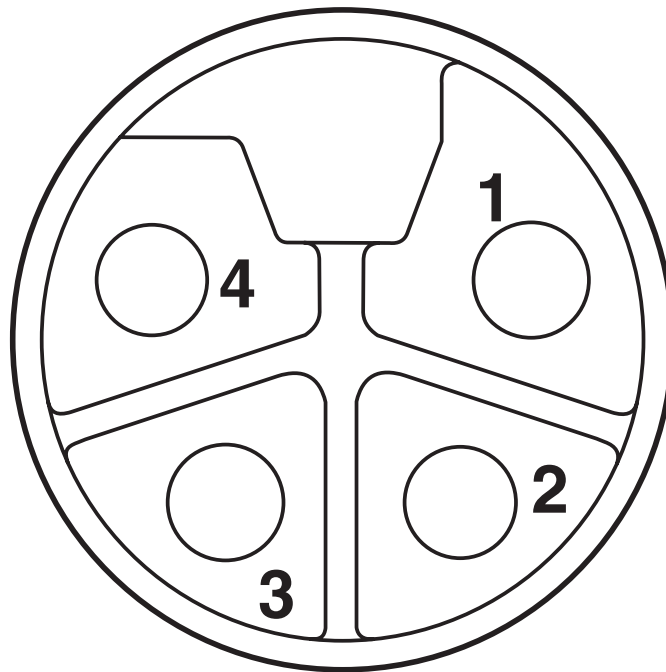
SAC-4P-M12MSL/10,0-PUR/FSL - Power cable

1261819

<https://www.phoenixcontact.com/us/products/1261819>



Schematic diagram



Pin assignment of M12 socket, 4-pos.

SAC-4P-M12MSL/10,0-PUR/FSL - Power cable



1261819

<https://www.phoenixcontact.com/us/products/1261819>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1261819>



UL Listed
Approval ID: E468743



cUL Listed
Approval ID: E468743

cULus Listed

SAC-4P-M12MSL/10,0-PUR/FSL - Power cable



1261819

<https://www.phoenixcontact.com/us/products/1261819>

Classifications

ECLASS

ECLASS-11.0	27060311
ECLASS-12.0	27060311
ECLASS-13.0	27060327

ETIM

ETIM 9.0	EC001855
----------	----------

UNSPSC

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

SAC-4P-M12MSL/10,0-PUR/FSL - Power cable



1261819
<https://www.phoenixcontact.com/us/products/1261819>

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 2024 © - 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