

Power cable - SAC-4P-M12MSL/ 1,5-PVC - 1425085

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Power cable, 4-position, PVC, black-gray RAL 7021, Plug straight M12, coding: L, on free cable end, cable length: 1.5 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	
GTIN	4055626384238

Technical data

Dimensions

Length of cable	1.5 m
-----------------	-------

Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
	-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

Power cable - SAC-4P-M12MSL/ 1,5-PVC - 1425085

Technical data

General

Coding	L - Power
Standards/regulations	M12 connector IEC 61076-2-111
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

Standards/specifications	M12 connector IEC 61076-2-111
Flammability rating according to UL 94	V0

Cable

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
Conductor material	Bare Cu litz wires

Power cable - SAC-4P-M12MSL/ 1,5-PVC - 1425085

Technical data

Cable

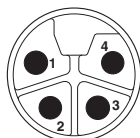
Insulation resistance	≥ 100 MΩ*km (at 20 °C)
Conductor resistance	≤ 8 Ω/km (at 20 °C)
Nominal voltage, cable	≤ 300 V AC
Test voltage, cable	≥ 3000 V AC (Spark test)
Flame resistance	According to UL 758/1581 (Cable Flame)
	according to UL 758/1581 FT1
	According to DIN EN 60332-1-2
Resistance to oil	According 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 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

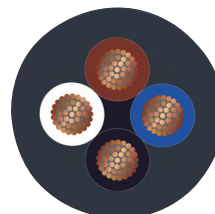
Drawings

Schematic diagram



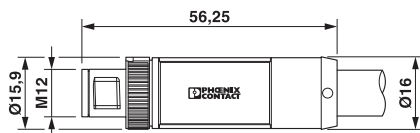
Pin assignment M12 male connector, 4-pos.

Cable cross section



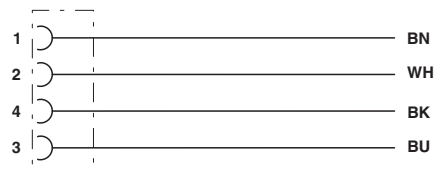
PVC black [PVC]

Dimensional drawing



Plug, M12 x 1, straight, shielded

Circuit diagram



Contact assignment of the M12 plug

Classifications

eCl@ss

eCl@ss 10.0.1	27060311
eCl@ss 11.0	27060311

Power cable - SAC-4P-M12MSL/ 1,5-PVC - 1425085

Classifications

eCl@ss

eCl@ss 5.1	27061801
eCl@ss 6.0	27279200
eCl@ss 7.0	27279218
eCl@ss 9.0	27060311

ETIM

ETIM 6.0	EC001855
ETIM 7.0	EC001855

Approvals


Approvals


Approvals


UL Listed / cUL Listed / EAC-RoHS / EAC / cULus Listed

Ex Approvals

Approval details


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-RoHS		RU D- DE.HB35.B.00387
----------	---	--------------------------

Power cable - SAC-4P-M12MSL/ 1,5-PVC - 1425085

Approvals

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

cULus Listed	
--------------	---

Accessories

Accessories

Protective cap

Sealing cap - PROT-M12 FS - 1560251



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

Phoenix Contact 2021 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>