Power cable - SAC-4P- 5,0-PVC/M12FSL - 1425095

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, Socket straight M12, L-coded, on free cable end, cable length: 5 m, for direct current up to 16 A/63 V

Why buy this product

- Easy and safe: 100% electrically tested plug-in components
- High-performance: DC connectors for up to 16 A and 63 V DC

Key Commercial Data

Packing unit	1 STK
GTIN	4 055626 384337
GTIN	4055626384337

Technical data

Dimensions

Length of cable	5 m

Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
Degree of protection	IP65
	IP67
	IP68

General

Rated current at 40°C	16 A
Rated voltage	63 V (DC)
	63 V DC
Number of positions	4
Color handle area	black

Power cable - SAC-4P- 5,0-PVC/M12FSL - 1425095

Technical data

General

Insulation resistance	≥ 100 MΩ
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	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA
Material of grip body	PA
Material, knurls	Zinc die-cast, nickel-plated

Standards and Regulations

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

Cable

Cable type	PVC
Cable type (abbreviation)	PVC
UL AWM style	20233 / 10493 (80°C/300 V)
Conductor cross section	4x 2.5 mm²
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

Power cable - SAC-4P- 5,0-PVC/M12FSL - 1425095

Technical data

Cable

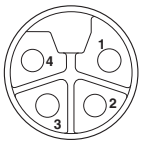
Acceleration	10 m/s²
Outer sheath, material	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 100 MΩ*km (at 20 °C)
Conductor resistance	≤ 8 Ω/km (at 20 °C)
Nominal voltage, cable	≤ 300 V AC
Test voltage, cable	≥ 3000 V AC (Spark test)
Flame resistance	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
	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

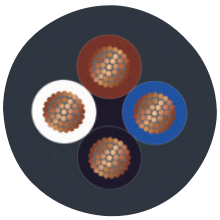
Drawings

Schematic diagram



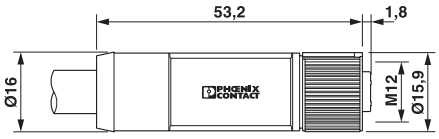
Pin assignment of M12 socket, 4-pos.

Cable cross section



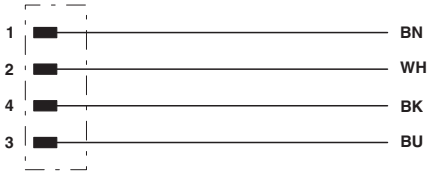
PVC [PVC]

Dimensional drawing



M12 x 1 socket, straight

Circuit diagram



Contact assignment of the M12 socket

Power cable - SAC-4P- 5,0-PVC/M12FSL - 1425095

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC	EAC	EAC-Zulassung

Phoenix Contact 2018 © - 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