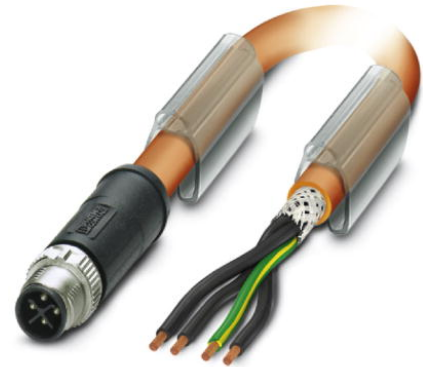


SAC-4P-MSS/ 5,0-PUR PE SH SCO


Order No.: 1424245



<http://catalog.phoenixcontact.net/phoenix/treeViewClick.do?UID=1424245>

Power cable, 4-position, PUR halogen-free, Orange (RAL 2003), matt, shielded, Plug straight M12 SPEEDCON, S-coded, on free cable end, Cable length: 5 m, For AC current up to 12 A/630 V



Commercial data	
EAN	4  046356 709316
sales group	D117
Pack	1 Pcs.
Customs tariff	85444290
Gross weight in pieces	0.7708 KG
Net weight per piece	0.7708 KG
Catalog page information	Page 291 (C-2-2013)

Product notes

WEEE/RoHS-compliant since: 10/17/2011



<http://www.download.phoenixcontact.com>
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data	
Dimensions	
Length of cable	5 m
Ambient conditions	
Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
Degree of protection	IP65
	IP67

General

Rated current at 40°C	12 A
Rated voltage	630 V
Number of positions	4
Contact resistance	≤ 3 mΩ
Insulation resistance	≤ 100 mΩ
Coding	S power
Standards/regulations	M12 connector
Status display	No
Protective circuit/component	Unwired
Surge voltage category	II
Pollution degree	3
Insertion/withdrawal cycles	> 100

Material

Inflammability class according to UL 94	HB
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA
Material of grip body	TPU
Material, knurls	Zinc die-cast, nickel-plated

Cable

Cable type	PUR halogen-free orange shielded
Cable type (abbreviation)	PUR
Cable abbreviation	9YSLC11Y-JZ
UL AWM style	20234 / 10492 (80°C/1000 V)
Conductor cross section	4x 1.5 mm ²
AWG power supply	16
Conductor structure, voltage supply	78x 0.15 mm
Core diameter including insulation	≤ 2.5 mm
Thickness, insulation	0.4 mm
Wire colors	Black 1, black 2, black 3, green/yellow
Overall twist	4 wires optimally twisted
Shielding	Tinned copper-braided shield, approx. 85% covering
External sheath, color	orange RAL 2003

Outer sheath thickness	1.2 mm
External cable diameter D	9.7 mm ±0.3 mm
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexible installation	7.5 x D
Number of bending cycles	4000000
Minimum bending radius, drag chain applications	10 x D
Traversing path	10 m
Traversing rate	3 m/s
Acceleration	10 m/s ²
Torsion force	± 25 °/m
Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 10 MΩ*km (at 20 °C)
Conductor resistance	≤ 13.3 Ω/km (at 20 °C)
Nominal voltage, cable	1000 V AC
Test voltage, cable	4260 V AC (5 min.)
Flame resistance	According to EN 60332-1-2 According to UL 1581 VW1 According to CSA C 22.2 No. 210-05 FT1
Halogen-free	According to VDE 0282-13 Appendix C
Resistance to oil	in accordance with DIN EN 60811-2-1 According to DIN EN 50363-10-2
Other resistance	UV resistant Low adhesion
Ambient temperature (operation)	-40 °C ... 90 °C (cable, fixed installation) -30 °C ... 90 °C (cable, flexible installation)

Certificates / Approvals

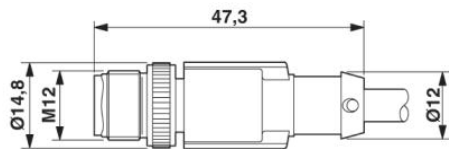
Certification

Certifications applied for:

Certification Ex:

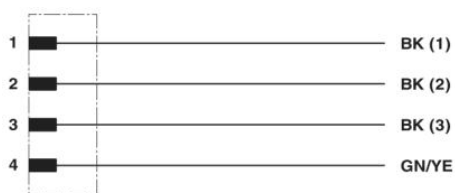
Drawings

Dimensioned drawing



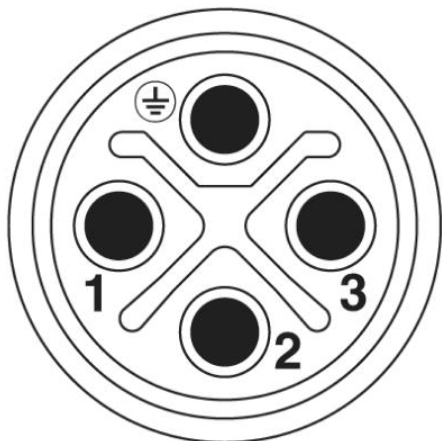
M12 x 1 plug, straight

Circuit diagram

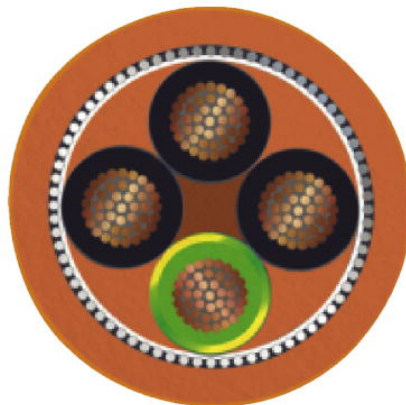


Contact assignment of the M12 plug

Schematic diagram



M12 plug pin assignment, 4-pos., S-coded, plug side view



PUR halogen-free orange shielded [PUR]

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