

SAC-4P-MST/ 1,0-PUR SCO

Order No.: 1408812




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Power cable, 4-position, PUR halogen-free, black-gray RAL 7021, Plug straight M12 SPEEDCON, T-coded, on free cable end, Cable length: 1 m, for direct current up to 12 A/60 V



Commercial data

EAN	 4 046356 838764
sales group	D111
Pack	1 Pcs.
Customs tariff	85444290
Gross weight in pieces	0.1419 KG
Net weight per piece	0.1419 KG
Catalog page information	Page 292 (C-2-2013)

Product notes

WEEE/RoHS-compliant since:
10/26/2012



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Technical data

Dimensions

Length of cable	1 m
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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	60 V
Number of positions	4
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 10 GΩ
Coding	T power
Status display	No
Protective circuit/component	Unwired
Surge voltage category	III
Pollution degree	3
Insertion/withdrawal cycles	> 100
Torque	0.4 Nm (M12 connector)

Material

Inflammability class according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, nickel-plated

Cable

Cable type	PUR halogen-free black
Cable type (abbreviation)	PUR
Cable abbreviation	Li9YV1-11Y
UL AWM style	20233 / 10493 (80°C/300 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	2.35 mm ±0.05 mm
Thickness, insulation	≥ 0.25 mm
Wire colors	brown, white, blue, black
Overall twist	4 wires, twisted
Length of twist, overall twist	90 mm
External sheath, color	black-gray RAL 7021

Outer sheath thickness	approx. 1.3 mm
External cable diameter D	8.4 mm ±0.25 mm
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexible installation	10 x D
Cable weight	109 kg/km
Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 1 GΩ*km (at 20 °C)
Conductor resistance	≤ 13 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
Halogen-free	in accordance with DIN VDE 0472 part 815
	in accordance with DIN EN 50267-2-1
Resistance to oil	According to DIN EN 60811-2-1, 168 h at 100°C
	According to UL 758, 168 h at 60°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)

Certificates / Approvals

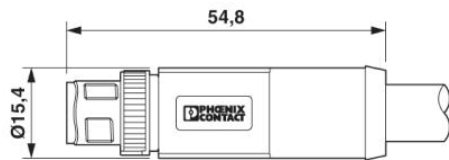
Certification

Certifications applied for:

Certification Ex:

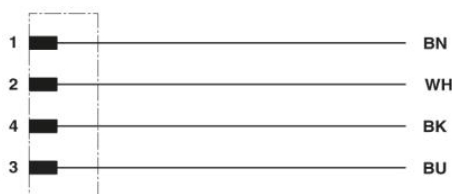
Drawings

Dimensioned drawing



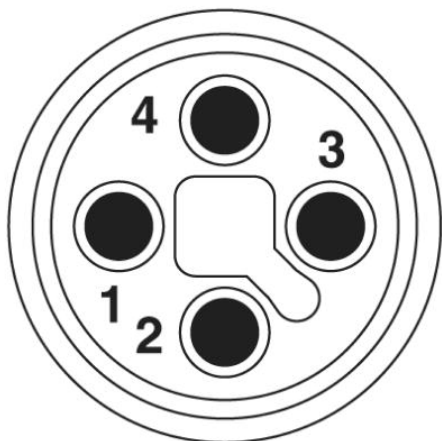
M12 x 1 plug, straight

Circuit diagram

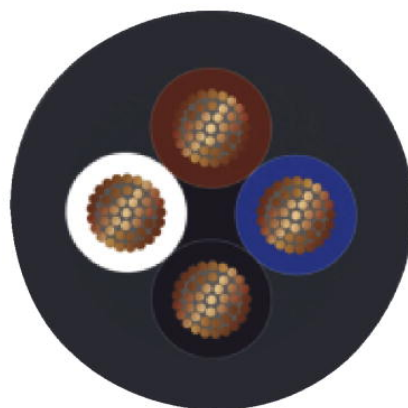


Contact assignment of the M12 plug

Schematic diagram



Pin assignment for M12 plug, 4-pos., T-coded, view of plug side



PUR halogen-free black [PUR]

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