

SAC-4P-MR/ 1,5-PUR SCO

Order No.: 1518847



Sensor/Actuator cable, 4-position, PUR, halogen-free, Black-gray RAL 7021, Plug, angled M12-SPEEDCON, A-coded, on Free conductor end, Cable length: 1.5 m



Commercial data	
EAN	 4 017918 961220
Pack	1
Customs tariff	85444290
Catalog page information	Page 80 (PC-2009)

Product notes

WEEE/RoHS-compliant since:
2006-11-08



Technical data

General data	
Rated current at 40°C	4 A
Rated voltage	250 V
Number of positions	4
Volume resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$\geq 10 \text{ M}\Omega$
Length of cable	1.5 m

Stripping length of the free conductor end	50 mm
Ambient temperature (operation)	-25 °C ... 90 °C (Male connector / female connector)

General characteristics

Standards/regulations	M12 connector IEC 61076-2-101
Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/IP68/IP69K
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, (nickel-plated)
Status display	No

Conductor data

Cable type	PUR halogen-free black
Cable abbreviation	Li9Y11Y-HF
Conductor cross section	0.34 mm ²
AWG signal line	22
Conductor structure signal line	42x 0.10 mm
Core diameter including insulation	1.27 mm ±0.02 mm
Thickness, insulation	Approx. 0.21 mm (Core insulation)
	Approx. 0.8 mm (Outer cable sheath)
External cable diameter	4.70 mm
Wire colors	Black, brown, blue, white
External sheath, color	Black-gray RAL 7021
Insulation resistance	≥ 100 MΩ*km
Conductor resistance	≤ 58 Ω/km
Nominal voltage, conductor	300 V
Test voltage, conductor	3000 V
Overall twist	4 wires, twisted
Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Bare Cu litz wires

Cable weight	30 kg/km
Smallest bending radius, movable installation	47 mm
Number of bending cycles	4000000
Bending radius	47 mm
Traversing path	10 m
Traversing rate	3 m/s
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

Certificates



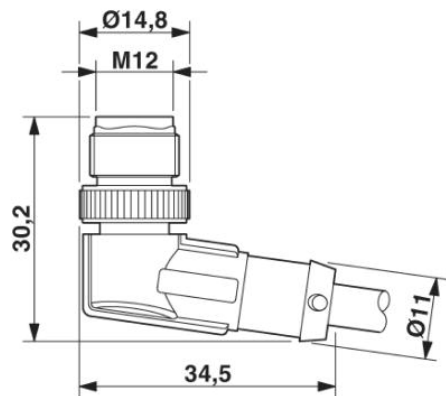
Certification

CUL Listed, UL Listed

Drawings

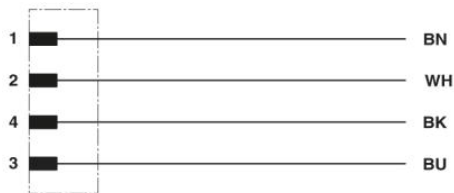
Dimensioned drawing

M12 x 1 male connector, angled



Circuit diagram

Contact assignment of the M12 plugs



Schematic diagram

Pin assignment M12 plug, 4-pos., A-coded, view plug side

