

SAC-4P- 5,0-186/FS SCO

Order No.: 1555651



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Sensor/Actuator cable, 4-position, PUR, Black-gray RAL 7021, Free conductor end, on Socket, straight M12-SPEEDCON, A-coded, Cable length: 5 m



Commercial data

GTIN (EAN)	 4 046356 173551
Note	Made-to-order
sales group	D111
Pack	1 pcs.
Customs tariff	85444290
Catalog page information	Page 286 (PC-2009)

Product notes

WEEE/RoHS-compliant since:
11/30/2006



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Technical data

General data

Rated current at 40°C	4 A
Rated voltage	250 V
Number of positions	4
Volume resistance	≤ 5 mΩ

Insulation resistance	$\geq 100 \text{ M}\Omega$
Length of cable	5 m
Stripping length of the free conductor end	50 mm
Ambient temperature (operation)	-25 °C ... 90 °C (Male connector / female connector)

General characteristics

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 POWER 0.75 mm ² black
Cable type (abbreviation)	186
Cable abbreviation	LiY11Y
Conductor cross section	0.75 mm ²
AWG signal line	18
Conductor structure signal line	42x 0.15 mm
Core diameter including insulation	1.75 mm $\pm 0.05 \text{ mm}$
Thickness, insulation	$\geq 0.23 \text{ mm}$ (Core insulation)
	$\geq 0.76 \text{ mm}$ (Outer cable sheath)
External cable diameter	5.90 mm
Wire colors	Brown, white, blue, black
External sheath, color	Black-gray RAL 7021
Insulation resistance	$\geq 1 \text{ M}\Omega \cdot \text{km}$
Conductor resistance	max. 26 Ω/km
Nominal voltage, conductor	$\leq 300 \text{ V}$
Test voltage, conductor	$\geq 3000 \text{ V}$
Overall twist	4 wires, twisted
Outer sheath, material	PUR

Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Cable weight	57 kg/km
Smallest bending radius, movable installation	59 mm
Number of bending cycles	2000000
Bending radius	59 mm
Traversing path	5 m
Traversing rate	3 m/s
Acceleration	5 m/s²
Ambient temperature (operation)	-25 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)
Flame resistance	in accordance with DIN UL-Style 20549

Certificates / Approvals

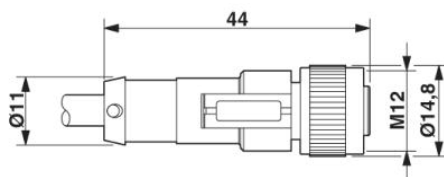


Certification

CUL Listed, UL Listed

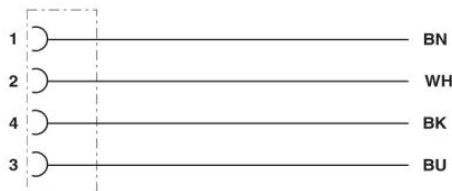
Diagrams/Drawings

Dimensioned drawing



M12-SPEEDCON socket, straight

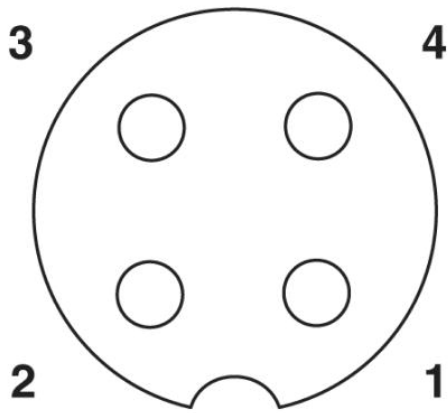
Circuit diagram



Contact assignment of the M12 socket

Schematic diagram

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



Address

PHOENIX CONTACT Deutschland GmbH
Flachsmarktstr. 8
32825 Blomberg, Germany
Phone +49 5235 3 12000
Fax +49 5235 3 41200
<http://www.phoenixcontact.de>



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