

SAC-4P-Y/2X0,3-PUR/FS VP SCO

Order No.: 1544060

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Sensor/Actuator cable, 3-position, PUR halogen-free, Black-gray RAL 7021, Plug, straightLink:M12, A-coded, on Socket, straight M12-SPEEDCON, A-coded, Cable length: 0.3 m

**Commercial data**

GTIN (EAN)	 4 046356 106696
Note	Made-to-order
sales group	D116
Pack	5 pcs.
Customs tariff	85444290

Product notes

WEEE/RoHS-compliant since:
03/02/2006



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Technical data**General data**

Rated current at 40°C	4 A
Rated voltage	250 V
Number of positions	3
Volume resistance	≤ 5 mΩ

Insulation resistance	$\geq 10 \text{ G}\Omega$
Length of cable	0.3 m

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
Sealing material	NBR
Status display	No

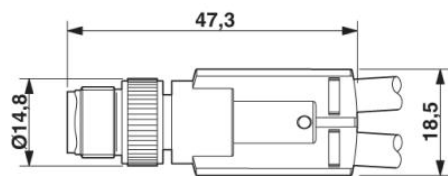
Conductor data

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	$\geq 100 \text{ M}\Omega \cdot \text{km}$
Conductor resistance	$\leq 58 \text{ }\Omega/\text{km}$
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

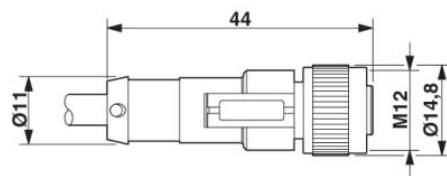
Cable weight	30 kg/km
Smallest bending radius, movable installation	47 mm
Number of bending cycles	4000000
Bending radius	47 mm
Traversing path	10 m
Traversing rate	3 m/s

Diagrams/Drawings

Dimensioned drawing

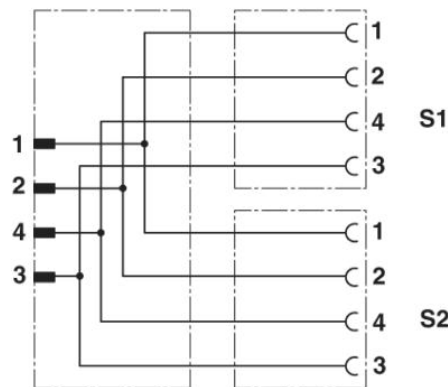


Plug M12 x 1, Y distributor



M12 x 1 female connector, straight

Circuit diagram



Contact assignment of the M12 Y connector and the M12 sockets

Schematic diagram



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



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

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