

SAC-3P-M12Y/2X0,3-PUR/M 8FS

Order No.: 1671331



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Sensor/Actuator cable, 3-position, PUR, halogen-free, Black-gray RAL 7021, Plug, straight M12, A-coded, on Socket, straight M8 and Socket, straight M8, A-coded, Cable length: 0.3 m

Commercial data

GTIN (EAN)	 4 017918 135164
sales group	D116
Pack	1 pcs.
Customs tariff	85444290
Catalog page information	Page 100 (PC-2009)

Product notes

WEEE/RoHS-compliant since:
11/17/2006



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Technical data

General data

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	3
Volume resistance	≤ 5 mΩ

Insulation resistance	$\geq 100 \text{ M}\Omega$
Length of cable	0.3 m
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
Insertion/withdrawal cycles	≥ 100
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
Test voltage	2500 V

Conductor data

Cable type	PUR halogen-free black
Cable type (abbreviation)	PUR
Cable abbreviation	Li9Y11Y-HF
Conductor cross section	0.25 mm ²
AWG signal line	24
Conductor structure signal line	32 x 0.10 mm
Core diameter including insulation	1.15 mm ± 0.05 mm
Thickness, insulation	≥ 0.38 mm (Core insulation)
External cable diameter	4.40 mm
Wire colors	Brown, blue, black
External sheath, color	Black-gray RAL 7021
Insulation resistance	$\geq 100 \text{ G}\Omega \cdot \text{km}$
Conductor resistance	$\leq 77.6 \text{ }\Omega/\text{km}$
Nominal voltage, conductor	300 V
Test voltage, conductor	4000 V

Overall twist	3 wires, twisted
Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Cable weight	23 kg/km
Smallest bending radius, movable installation	44 mm
Number of bending cycles	4000000
Bending radius	44 mm
Traversing path	10 m
Traversing rate	3 m/s
Acceleration	10 m/s ²
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)
Special properties	Flexible cable conduit capable
	Silicone-free
	Free of substances which would hinder coating with paint or varnish
Flame resistance	in accordance with DIN UL-Style 20549
Halogen-free	in accordance with DIN VDE 0472 part 815
Resistance to oil	in accordance with DIN EN 60811-2-1
Other resistance	Highly resistant to acids, alkaline solutions and solvents
	hydrolysis and microbe resistant

Certificates / Approvals

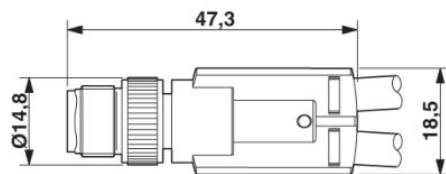


Certification

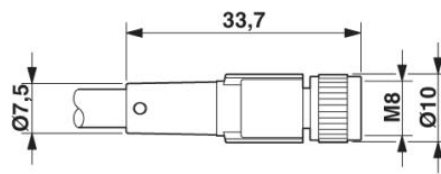
CUL Listed, GOST, UL Listed

Diagrams/Drawings

Dimensioned drawing

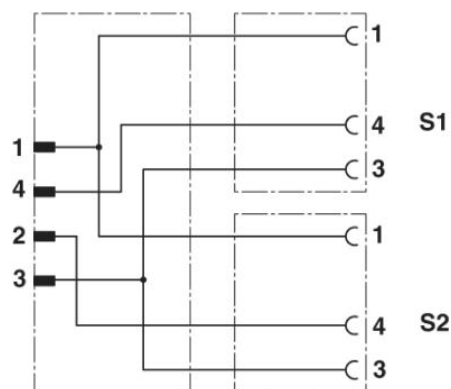


Plug M12 x 1, Y distributor



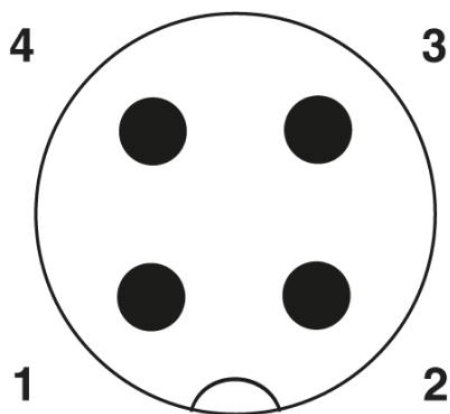
Socket M8 x 1, straight

Circuit diagram

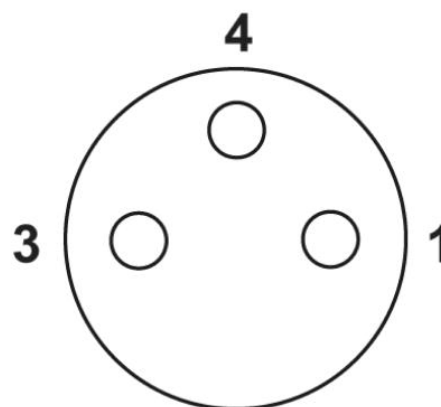


Contact assignment of the M12 plug and the M8 sockets

Schematic diagram



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



Pin assignment M8 socket, 3-pos., view female side

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