

SAC-4P-M 8MR/3,0-PUR/M12FR

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Order No.: 1682537



Sensor/Actuator cable, 4-position, PUR, halogen-free, Black-gray RAL 7021, Plug, angled M8, on Socket, angled M12, A-coded, Cable length: 3 m

Commercial data

EAN	 4 017918 159191
Note	Made-to-order
Pack	1
Customs tariff	85444290

Product notes

WEEE/RoHS-compliant since:
2005-08-01



Technical data

General data

Rated current at 40°C	4 A
Rated voltage	30 V
Number of positions	4
Volume resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$

Length of cable	3 m
General characteristics	
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
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	1.17 mm $\pm$ 0.02 mm
Thickness, insulation	Approx. 0.21 mm (Core insulation) Approx. 0.7 mm (Outer cable sheath)
External cable diameter	4.40 mm
Wire colors	Brown, white, blue, black
External sheath, color	Black-gray RAL 7021
Insulation resistance	$\geq 100 \text{ M}\Omega \cdot \text{km}$
Conductor resistance	$\leq 78 \text{ }\Omega/\text{km}$
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	25 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

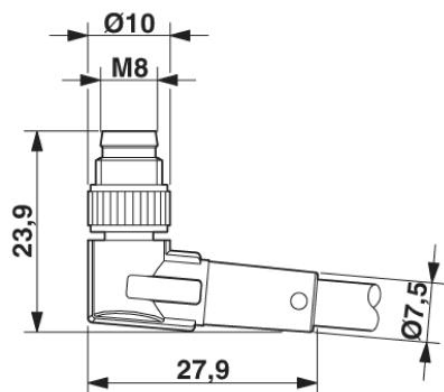


Certification

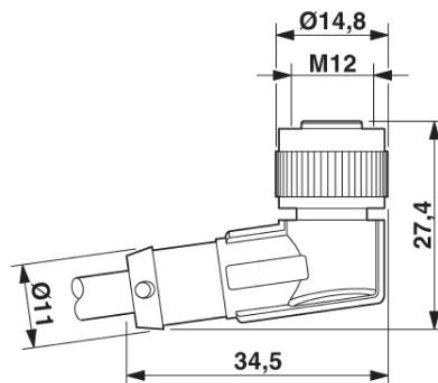
CUL Listed, UL Listed

Drawings

Dimensioned drawing

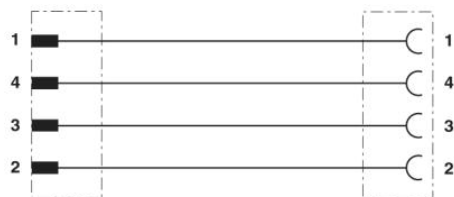


M8 x 1 male connector, angled version

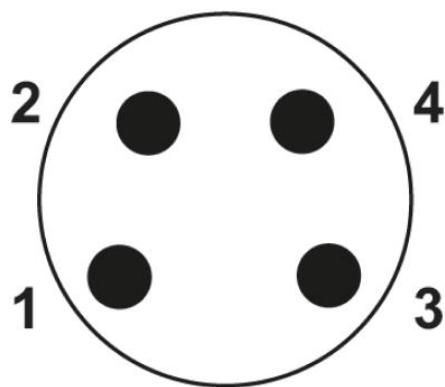


M12 x 1 female connector, angled

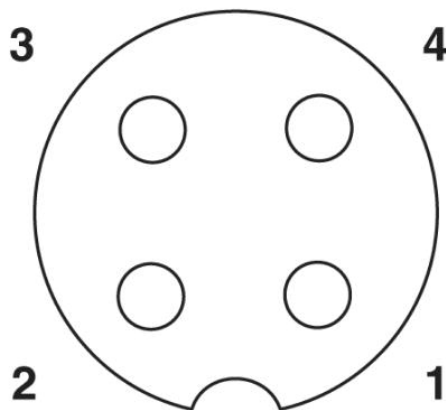
Circuit diagram



Schematic diagram



Pin assignment M8 plug, 4-pos., view male side



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