

SAC-4P-M 8MS/ 3,5-170/M12FR SO

Order No.: 1531251



Sensor/Actuator cable, 4-position, PUR, halogen-free, Black-gray RAL 7021, Plug, straight M8, on Socket, angled M12, A-coded, Cable length: 3.5 m

Commercial data

EAN	 4 046356 024587
Note	Made-to-order
Pack	5
Customs tariff	85444290

Product notes

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



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	3.5 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 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 ±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	≥ 100 MΩ*km
Conductor resistance	≤ 78 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	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

Certificates

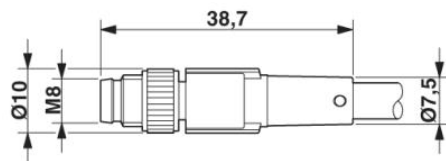


Certification

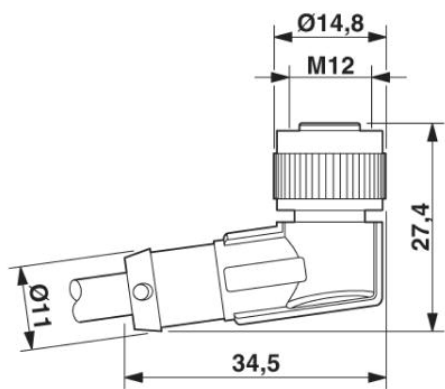
CUL Listed, UL Listed

Drawings

Dimensioned drawing

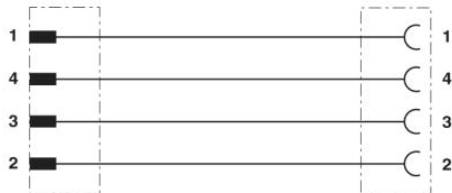


M8 x 1 male connector, straight version



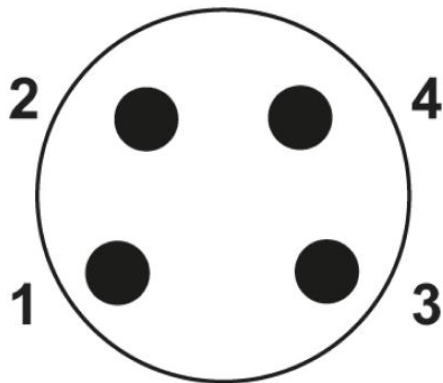
M12 x 1 female connector, angled

Circuit diagram

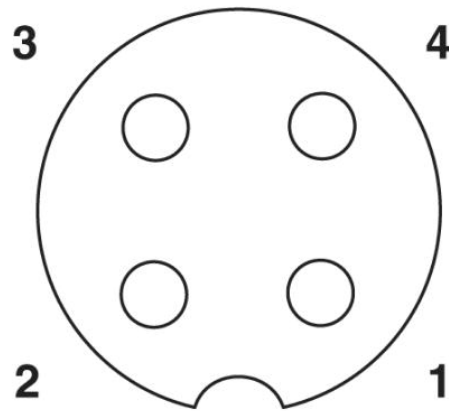


Contact assignment of M8 plugs / M12 sockets

Schematic diagram



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



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