

SAC-3P-M12MR/1,5-PUR/M 8FR-2L

Order No.: 1671535

Sensor/Actuator cable, 3-position, PUR/PVC, Black RAL 9005, Plug, angled M12, A-coded, on Socket, angled M8, A-coded, with 2 LEDs, Cable length: 1.5 m

Commercial data

EAN	4 017918 146597
Pack	1
Customs tariff	85444190

Product notes

WEEE/RoHS-compliant since:
2006-09-06



Technical data

General data

Rated current at 40°C	4 A
Rated voltage	24 V
Number of positions	3
Volume resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Length of cable	1.5 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	2 LEDs

Conductor data

Cable type	PUR/PVC black
Cable type (abbreviation)	350
Cable abbreviation	LiYY-11Y
Conductor cross section	0.34 mm ²
AWG signal line	22
Conductor structure signal line	42x 0.10 mm
Core diameter including insulation	1.52 mm $\pm$ 0.02 mm
Thickness, insulation	≥ 0.23 mm (Core insulation)
	≥ 0.38 mm (Outer cable sheath)
	Approx. 0.45 mm (Inner sheath)
External cable diameter	5.20 mm
Wire colors	Brown, blue, black
External sheath, color	Black RAL 9005
Insulation resistance	≥ 100 M Ω *km
Conductor resistance	≤ 57.3 Ω /km
Nominal voltage, conductor	300 V
Test voltage, conductor	2500 V
Overall twist	3 wires, twisted
Outer sheath, material	PUR
Material, inner sheath	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Cable weight	37 kg/km
Smallest bending radius, fixed installation	52 mm

Smallest bending radius, movable installation	52 mm
Number of bending cycles	2000000
Bending radius	52 mm
Traversing path	5 m
Traversing rate	3 m/s
Ambient temperature (operation)	-25 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

Certificates

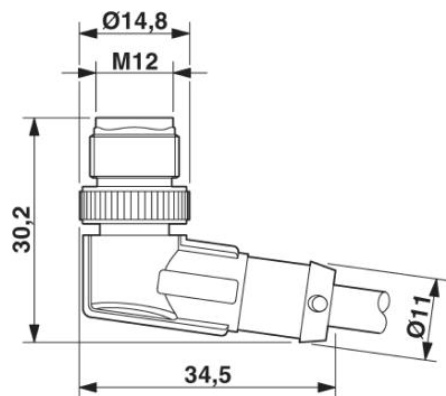


Certification

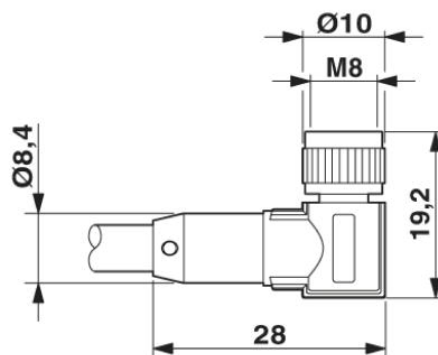
CUL Listed, UL Listed

Drawings

Dimensioned drawing

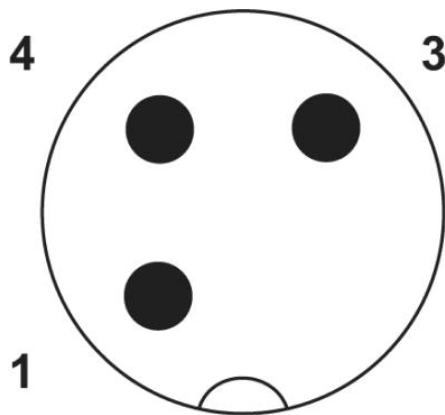


M12 x 1 male connector, angled

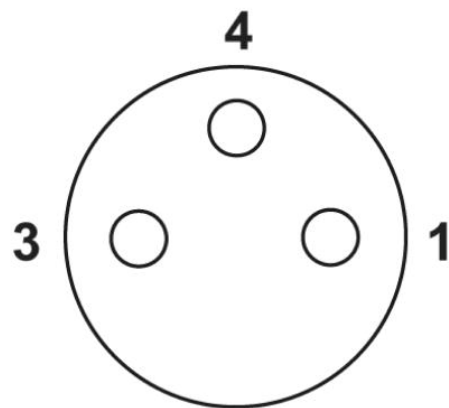


Socket M8 x 1, angled, with LED

Schematic diagram



Pin assignment M12 plug, 3-pos., A-coded, view male side



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