

SAC-3P-M 8MS/ 2,0-PUR/M8FR-2L

Order No.: 1693555



Sensor/Actuator cable, 3-position, PUR, Black-gray RAL 7021, Plug, straight M8, A-coded, on Socket, angled M8, A-coded, with 2 LEDs, Cable length: 2 m

Commercial data

EAN	 4 017918 173548
Note	Made-to-order
Pack	5
Customs tariff	85444290

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	$\geq 100 \text{ G}\Omega$
Length of cable	2 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 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	≥ 100 GΩ*km
Conductor resistance	≤ 77.6 Ω/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

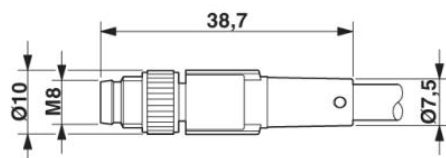


Certification

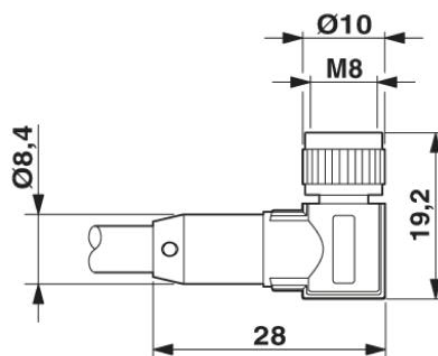
CUL Listed, UL Listed

Drawings

Dimensioned drawing

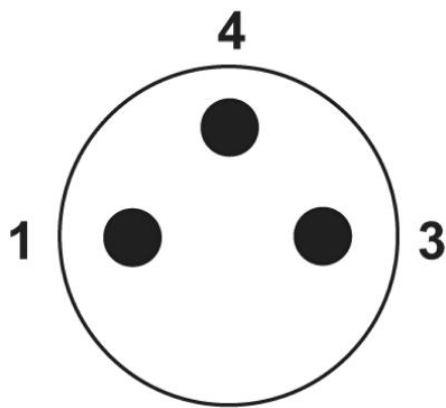


M8 x 1 male connector, straight version

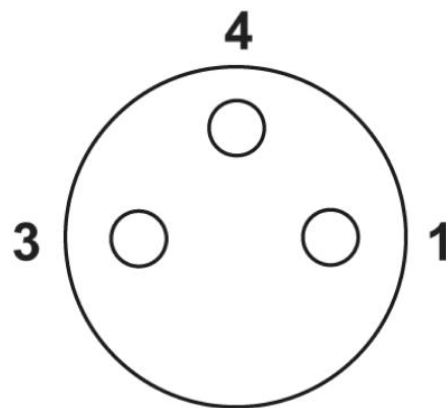


Socket M8 x 1, angled, with LED

Schematic diagram



Pin assignment M8 plug, 3-pos., view male side



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