

SAC-3P-M12MR/1,5-PUR/M12FR-2LB

Order No.: 1668690



Sensor/Actuator cable, 3-position, PUR, halogen-free, Black-gray RAL 7021, Plug, angled M12, A-coded, on Socket, angled M12, A-coded, with 2 LEDs, Cable length: 1.5 m

Commercial data	
EAN	 4 017918 137144
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	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
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 halogen-free black
Cable type (abbreviation)	PUR
Cable abbreviation	Li9Y11Y
Conductor cross section	0.34 mm ²
AWG signal line	22
Conductor structure signal line	42x 0.10 mm
Core diameter including insulation	1.27 mm ±0.02 mm
Thickness, insulation	≥ 0.21 mm (Core insulation)
	≥ 0.76 mm (Outer cable sheath)
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	≤ 58 Ω/m
Nominal voltage, conductor	300 V
Test voltage, conductor	3000 V
Overall twist	3 wires, twisted
Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Cable weight	26 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

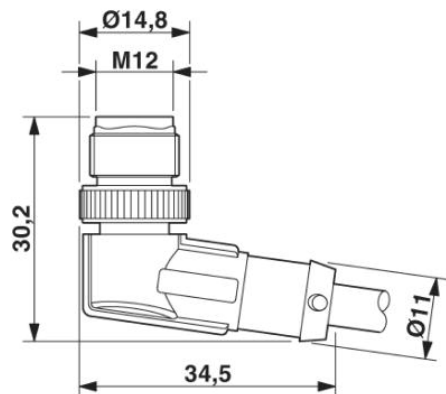


Certification

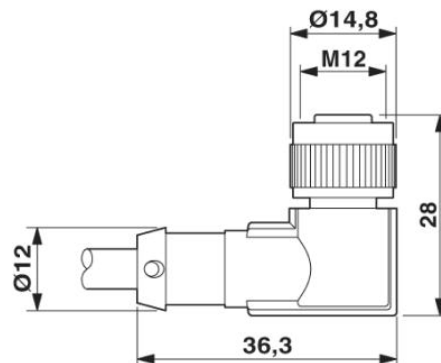
CUL Listed, UL Listed

Drawings

Dimensioned drawing

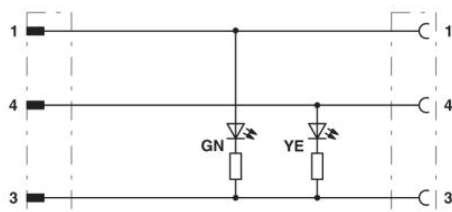


M12 x 1 male connector, angled

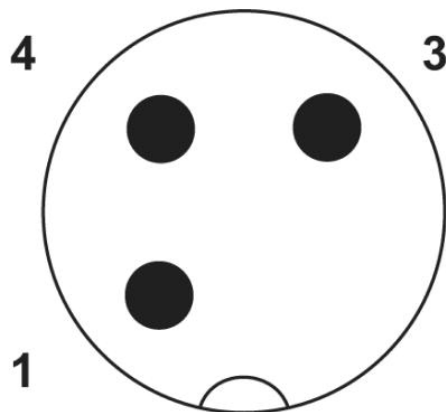


Socket M12 x 1, angled, with LED

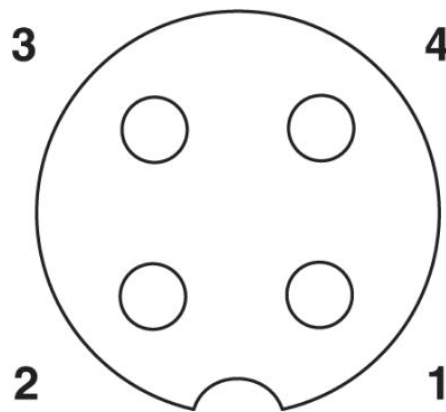
Circuit diagram



Schematic diagram



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



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