

**SAC-5P-M12MS/1,5-PUR/M12FR-3L**

Order No.: 1694651

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Sensor/actuator cable, 5-pos., PUR halogen-free black, straight M12 plug, on angled M12 socket, with three LEDs, cable length: 1.5 m

**Commercial data**

EAN	4017918459246
Pack	1 pcs.
Customs tariff	85444290
Weight/Piece	0.0727 KG
Catalog page information	Page 87 (PC-2009)

**Product notes**

WEEE/RoHS-compliant since:  
11/17/2006



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**Technical data****General data**

Nominal current $I_N$	4 A
Nominal voltage $U_N$	24 V
Number of positions	5
Volume resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$

Length of cable	1.5 m
Ambient temperature (operation)	-25 °C ... 90 °C (plug/socket)
	-40 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

#### General characteristics

Coding	A - standard
Inflammability class acc. to UL 94	HB
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/IP68/IP69K
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	3 LEDs

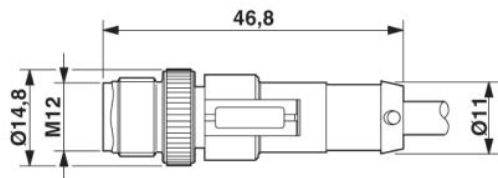
#### Conductor data

Cable type	PUR halogen-free black
Conductor cross section	0.34 mm <sup>2</sup>
AWG signal line	22
Conductor structure, signal line	42x 0.10 mm
Core diameter including insulation	1.27 mm ±0.05 mm
External cable diameter	5.00 mm
Wire colors	brown, blue, white, black, green/yellow
External sheath, color	Black-gray RAL 7021
Outer sheath, material	PUR
Conductor material	Bare Cu litz wires
Cable weight	35 kg/km
Number of bending cycles	4000000
Bending radius	50 mm
Traversing path	10 m
Traversing rate	3 m/s
Acceleration	10 m/s <sup>2</sup>

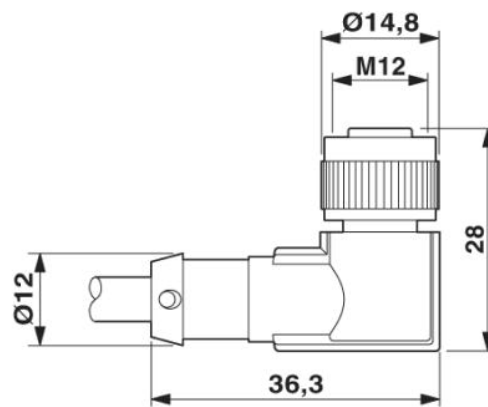
Special properties	Flexible cable conduit capable
	Silicone-free
	Free of substances which would hinder coating with paint or varnish
Flame resistance	As per UL-Style 20549
Freedom from halogen	As per DIN VDE 0472 part 815
Resistance to oil	complying with DIN EN 60811-2-1
Other resistance	Highly resistant to acids, alkaline solutions and solvents
	hydrolysis and microbe resistant

**Drawings**

Dimensioned drawing

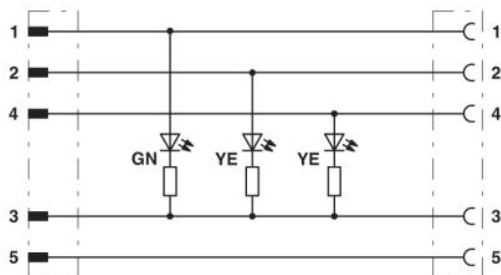


M12 x 1 male connector, straight



M12 x 1 female connector, angled

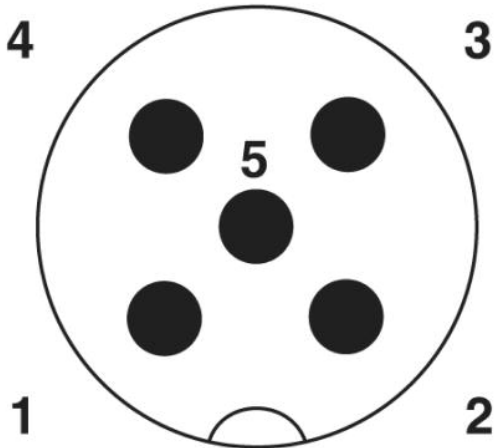
Circuit diagram



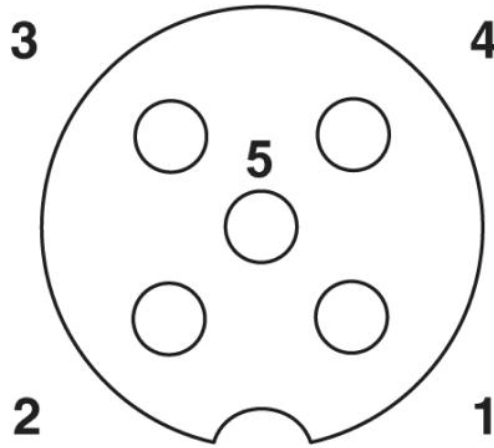
Contact assignment of M12 connectors / sockets with 3 LEDs

Schematic diagram

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Pin assignment M12 male connector, 5-pos., A-coded, male side



Pin assignment M12 socket, 5-pos., A-coded, socket side view

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