

SAC-8P-M12MS/ 5,0-PUR SH

Order No.: 1526981

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Sensor/actuator cable, 8-pos., PUR halogen-free black, shielded, straight M12 connector, on free conductor end, cable length: 5 m

Commercial data

EAN	4017918958305
Pack	5 pcs.
Customs tariff	85444290
Weight/Piece	0.29776 KG
Catalog page information	Page 95 (PC-2009)

Product notes

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



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Technical data**General data**

Nominal current I_N	2 A
Nominal voltage U_N	30 V
Number of positions	8
Volume resistance	$\leq 0.005 \Omega$
Insulation resistance	$\geq 10 M\Omega$

Length of cable	5 m
Ambient temperature (operation)	-25 °C ... 90 °C (plug/socket)
	-25 °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/IP67/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)
Status display	No

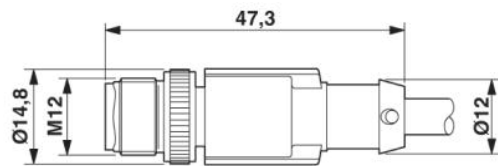
Conductor data

Cable type	PUR halogen-free black shielded
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
External cable diameter	5.90 mm
Wire colors	Brown, white, green, yellow, gray, pink, blue, red
External sheath, color	Black-gray RAL 7021
Outer sheath, material	PUR
Conductor material	Bare Cu litz wires
Cable weight	54 kg/km
Smallest bending radius, fixed installation	59 mm
Smallest bending radius, movable installation	59 mm
Number of bending cycles	4000000
Bending radius	59 mm
Traversing path	10 m
Traversing rate	3 m/s

Acceleration	10 m/s ²
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

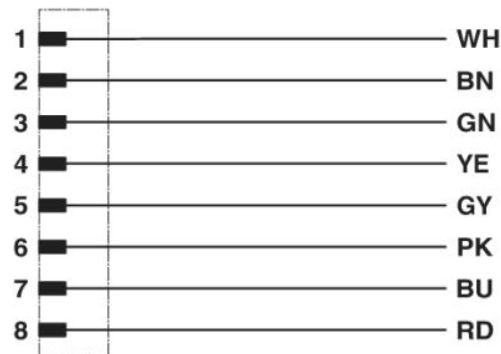
Drawings

Dimensioned drawing



M12 x 1 male connector, straight, shielded

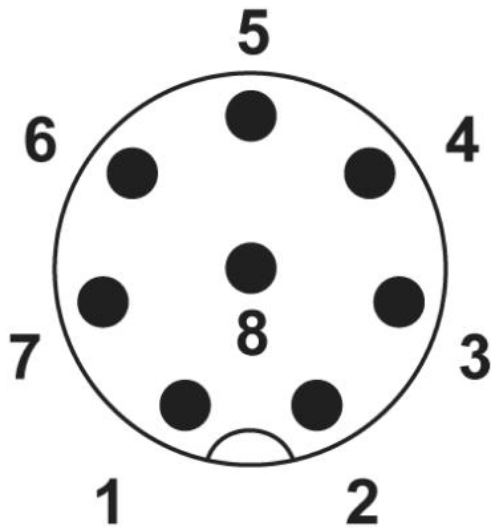
Circuit diagram



Contact assignment of the M12 plugs

Schematic diagram

Pin assignment M12 plug, 8-pos., view plug side



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