

SAC-6P- 3,0-PUR/M 8FR SH

Order No.: 1522451



Sensor/Actuator cable, 6-position, PUR, halogen-free, Black-gray RAL 7021, shielded, Free conductor end, on Socket, angled M8, Cable length: 3 m

Commercial data

EAN	 4 046356 021197
Note	Made-to-order
Pack	1
Customs tariff	85444290
Catalog page information	Page 91 (PC-2009)

Product notes

WEEE/RoHS-compliant since:
2008-01-01



Technical data

General data

Rated current at 40°C	1.5 A
Rated voltage	30 V
Number of positions	6
Volume resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Length of cable	3 m

Stripping length of the free conductor end	50 mm
Ambient temperature (operation)	-25 °C ... 90 °C (Male connector / female connector)

General characteristics

Standards/regulations	M8 connector IEC 61076-2-104
Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/IP67/IP69K
Contact material	CuZn
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	No

Conductor data

Cable type	PUR halogen-free black shielded
Cable type (abbreviation)	PUR
Conductor cross section	0.14 mm ²
AWG signal line	26
Conductor structure signal line	18x 0.10 mm
Core diameter including insulation	1.05 mm ±0.02 mm
External cable diameter	5.20 mm
Wire colors	Brown, white, black, blue, gray, pink
External sheath, color	Black-gray RAL 7021
Outer sheath, material	PUR
Conductor material	Bare Cu litz wires
Cable weight	34 kg/km
Smallest bending radius, fixed installation	52 mm
Smallest bending radius, movable installation	52 mm
Number of bending cycles	4000000
Bending radius	52 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



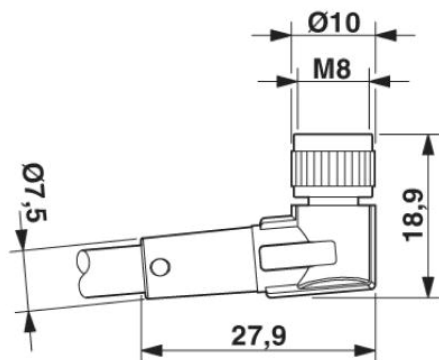
Certification

CUL Listed, UL Listed

Drawings

Dimensioned drawing

Socket M8 x 1, angled

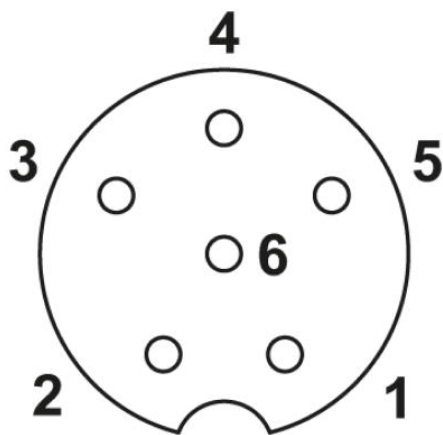


Circuit diagram



Contact assignment of M8 socket

Schematic diagram



Pin assignment M8 socket, 6-pos.