

SAC-3P- 5,0-100/M 8FS

Order No.: 1505038

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1505038>Sensor/actuator cable, 3-pos., PUR/PVC gray, straight M8 socket, on
free conductor end, cable length: 5 m**Commercial data**

EAN	4017918848446
Pack	1 pcs.
Customs tariff	85444290
Weight/Piece	0.1362 KG

Product notesWEEE/RoHS-compliant since:
12/01/2005

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Technical data**General data**

Nominal current I_N	4 A
Nominal voltage U_N	60 V
Number of positions	3
Volume resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
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/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	No

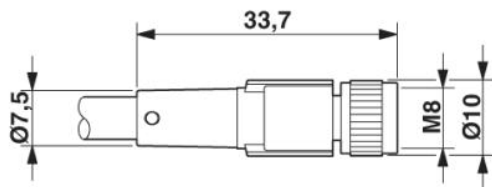
Conductor data

Cable type	PUR/PVC gray
Cable abbreviation	LiYY-11Y
Conductor cross section	0.25 mm ²
AWG signal line	24
Conductor structure, signal line	32 x 0.10 mm
Core diameter including insulation	1.32 mm ±0.02 mm
Thickness, insulation	≥ 0.23 mm (Core insulation)
	≥ 0.38 mm (Outer cable sheath)
	Approx. 0.35 mm (Inner sheath)
External cable diameter	4.40 mm
Wire colors	Brown, blue, black
External sheath, color	Gray RAL 7001
Insulation resistance	≥ 100 MΩ*km
Conductor resistance	Max. 77.6 Ω/km
Nominal voltage, conductor	300 V
Test voltage, conductor	2500 V
Overall twist	3 wires, twisted
Outer sheath, material	PUR
Material, inner sheath	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires

Cable weight	27 kg/km
Smallest bending radius, fixed installation	44 mm
Smallest bending radius, movable installation	44 mm
Number of bending cycles	2000000
Bending radius	44 mm
Traversing path	5 m
Traversing rate	3 m/s

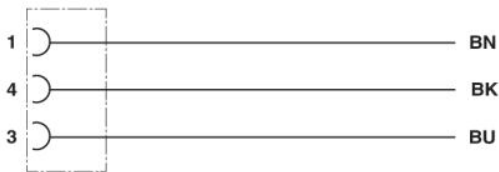
Drawings

Dimensioned drawing



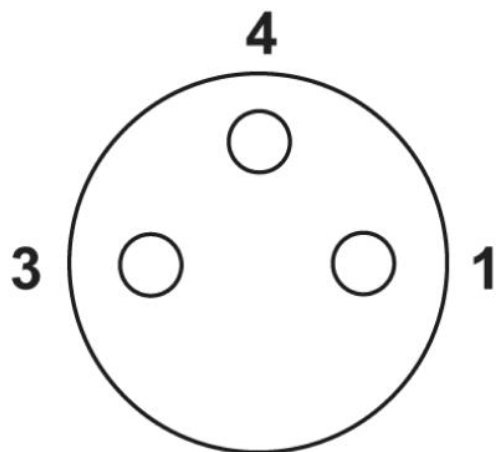
Socket M8 x 1, straight

Circuit diagram



Contact assignment of M8 socket

Schematic diagram



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

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