


## Sensor/actuator cable - SAC-3P-10,0-100/M 8FS - 1577574

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Sensor/actuator cable, 3-position, PUR/PVC, gray RAL 7001, free cable end, on Socket straight M8, cable length: 10 m

### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	25 pc
GTIN	 4 046356 459396
GTIN	4046356459396

### Technical data

#### Dimensions

Length of cable	10 m
Stripping length of the free conductor end	50 mm

#### Ambient conditions

Degree of protection	IP65/IP68/IP69K
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#### General

Rated current at 40°C	4 A
Rated voltage	48 V AC 60 V DC
Number of positions	3
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Status display	No
Overvoltage category	II
Degree of pollution	3

#### Material

Flammability rating according to UL 94	HB
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing

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## Technical data

### Material

Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

### Standards and Regulations

Flammability rating according to UL 94	HB
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### Cable

Cable type	PUR/PVC gray
Cable type (abbreviation)	100
Cable abbreviation	LiYY-11Y
Conductor cross section	0.25 mm <sup>2</sup>
AWG signal line	24
Conductor structure signal line	32x 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. 3.5 mm ±0.1 mm (Inner sheath)
Wire colors	brown, blue, black
Overall twist	3 wires, twisted
External sheath, color	gray RAL 7001
External cable diameter D	4.4 mm ±0.2 mm
Smallest bending radius, fixed installation	22 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
Cable weight	27 kg/km
Outer sheath, material	PUR
Material, inner sheath	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 100 MΩ*km (at 20 °C)
Conductor resistance	max. 78 Ω/km (at 20 °C)
Nominal voltage, cable	≤ 300 V
Test voltage, cable	≥ 3000 V
Flame resistance	As per UL-Style 2464
Ambient temperature (operation)	-25 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
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# Sensor/actuator cable - SAC-3P-10,0-100/M 8FS - 1577574

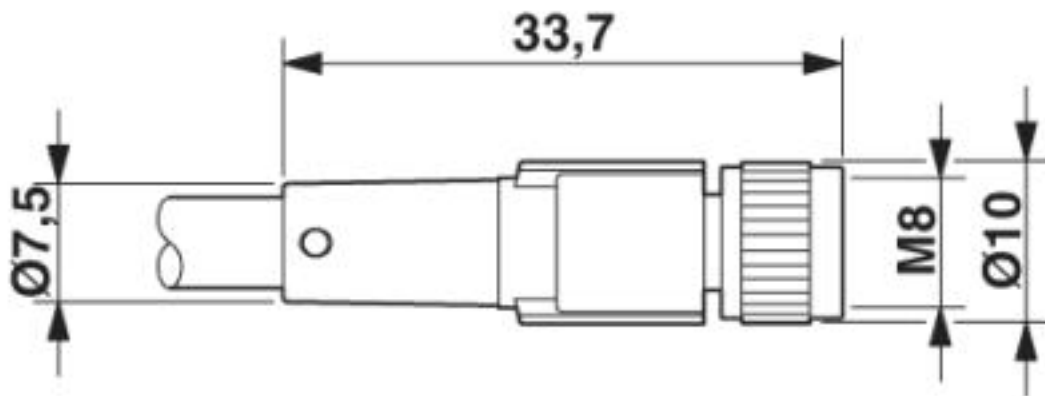
## Technical data

### Environmental Product Compliance

	No hazardous substances above threshold values
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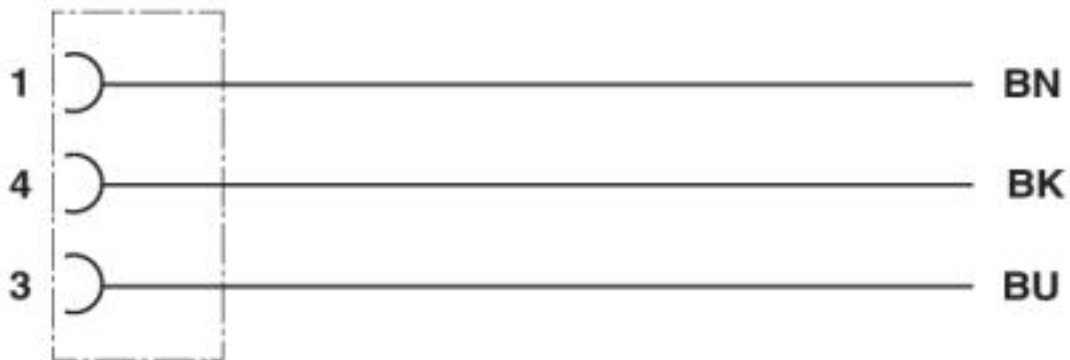
## Drawings

Dimensional drawing



Socket M8 x 1, straight

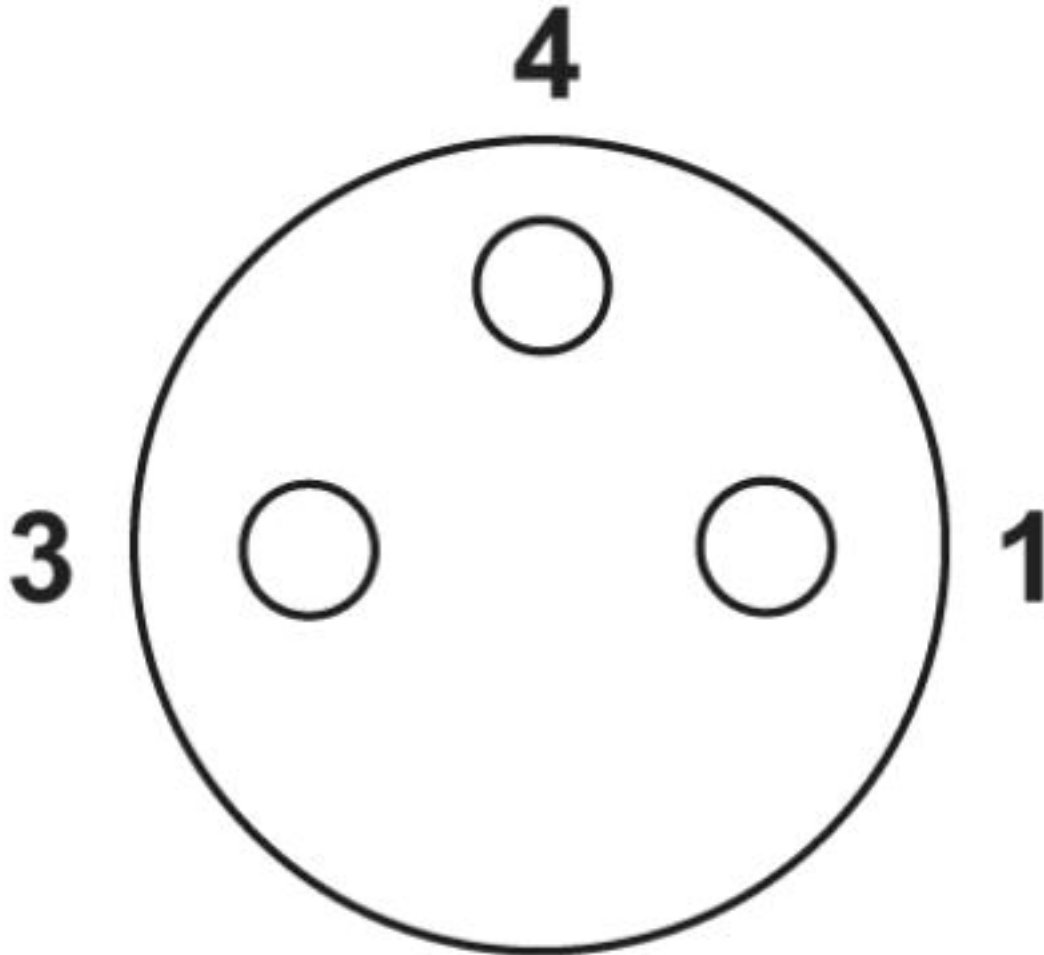
Circuit diagram



Contact assignment of M8 socket

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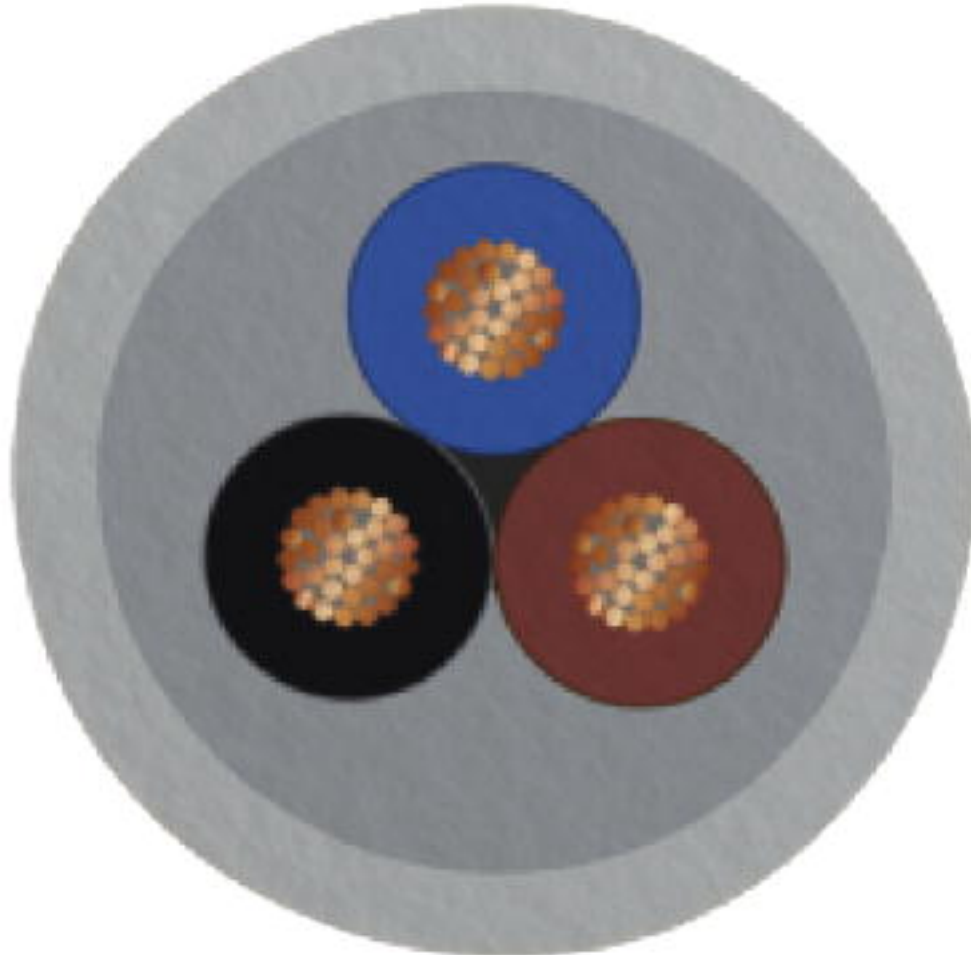
Schematic diagram



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

## Sensor/actuator cable - SAC-3P-10,0-100/M 8FS - 1577574

Cable cross section



PUR/PVC gray [100]

### Approvals

Approvals

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Approvals

UL Listed / cUL Listed / EAC / cULus Listed

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Ex Approvals


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### Approval details


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## Approvals

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 221474
Nominal voltage UN	60 V		
Nominal current IN	4 A		

cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 221474
Nominal voltage UN	60 V		
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EAC		EAC-Zulassung
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cULus Listed	
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PHOENIX CONTACT GmbH & Co. KG  
 Flachsmarktstr. 8  
 32825 Blomberg  
 Germany  
 Tel. +49 5235 300  
 Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>