

## Sensor/Actuator cable - SAC-4P- 2,0-PUR/M 8FS 0,34 - 1543582

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Sensor/Actuator cable, 4-position, PUR, Black RAL 9005, Free cable end, on Socket straight M8, Cable length: 2 m

### Product Features

- ✓ Easy and safe: 100% electrically tested plug-in components
- ✓ System cable for supply voltage and bus signal
- ✓ Power cable for actuator voltage



### Key commercial data

Packing unit	1 1
Weight per Piece (excluding packing)	82.6 GRM
Custom tariff number	85444290
Country of origin	Germany

### Technical data

#### Dimensions

Length of cable	2 m
Stripping length of the free conductor end	50 mm

#### Ambient conditions

Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)
Degree of protection	IP65
	IP67
	IP68

#### General

Rated current at 40°C	4 A
Rated voltage	30 V
Number of positions	4

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### Technical data

#### General

Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Status display	No
Surge voltage category	II
Pollution degree	3
Test voltage	800 V
Insertion/withdrawal cycles	≥ 100

#### Material

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

#### Cable

Cable type	PUR/PVC black
Cable abbreviation	LiYY-11Y
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	1.5 mm ±0.05 mm
Thickness, insulation	≥ 0.3 mm (Core insulation)
	≥ 0.35 mm (Inner sheath)
	≥ 0.38 mm (Outer cable sheath)
Wire colors	brown, white, blue, black
Overall twist	4 wires, twisted
External sheath, color	Black RAL 9005
External cable diameter	5.20 mm
Smallest bending radius, fixed installation	52 mm
Smallest bending radius, movable installation	52 mm
Number of bending cycles	2000000
Bending radius	52 mm
Traversing path	5 m
Traversing rate	3 m/s

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### Technical data

#### Cable

Cable weight	39 kg/km
Outer sheath, material	PUR
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Insulation resistance	$\geq 1 \text{ G}\Omega\cdot\text{km}$
Conductor resistance	$\leq 58 \text{ }\Omega/\text{km}$
Nominal voltage, cable	300 V
Test voltage, cable	3000 V
Ambient temperature (operation)	-25 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

### Classifications

#### eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	27061801
eCl@ss 6.0	27061801
eCl@ss 7.0	27061801
eCl@ss 8.0	27061801

#### ETIM

ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 5.0	EC001855

#### UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

### Approvals

#### Approvals

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## Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

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Ex Approvals


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Approvals submitted

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## Approval details

UL Listed 	
Nominal current IN	4 A
Nominal voltage UN	125 V

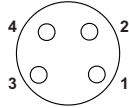
cUL Listed 	
Nominal current IN	4 A
Nominal voltage UN	125 V

cULus Listed 	
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## Drawings

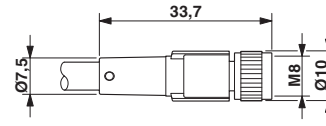
# Sensor/Actuator cable - SAC-4P- 2,0-PUR/M 8FS 0,34 - 1543582

Schematic diagram



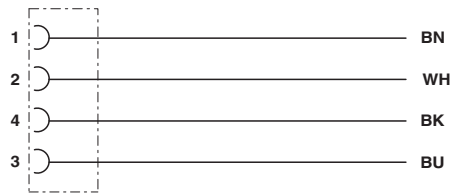
Pin assignment M8 socket, 4-pos., view female side

Dimensioned drawing



Socket M8 x 1, straight

Circuit diagram



Contact assignment of M8/M12 plugs/sockets