

# SAC-4P-5,0-140/M8FS B-SE - Sensor/actuator cable



1404274

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Sensor/actuator cable, 3-position, PUR/PVC, yellow, free cable end, on Socket straight M8, coding: A, cable length: 5 m

As shown in the illustration but with a yellow conductor

## Commercial data

Item number	1404274
Packing unit	1 pc
Minimum order quantity	50 pc
Product key	AF1BCA
GTIN	4046356685023
Weight per piece (including packing)	165 g
Weight per piece (excluding packing)	165 g
Country of origin	DE

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## Technical data

### Product properties

Product type	Sensor/actuator cable
Number of positions	3
No. of cable outlets	1
Coding	A

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Material specifications

Flammability rating according to UL 94	HB
Seal material	NBR
Material of grip body	TPU, hardly inflammable, self-extinguishing
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material for screw connection	Zinc die-cast, nickel-plated

### Electrical properties

Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	48 V AC
	60 V DC
Nominal current $I_N$	4 A

### Signaling

Status display	no
Status display present	no

### Connector

#### Connection 1

Type	free cable end
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#### Connection 2

Type	Socket straight M8
Number of positions	3
Coding type	A

### Cable/line

Cable length	5 m
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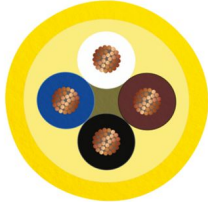
PUR/PVC yellow [140]

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Dimensional drawing	
Cable weight	32 kg/km
UL AWM Style	20549
Number of positions	4
Shielded	no
Cable type	PUR/PVC yellow [140]
Conductor structure signal line	32x 0.10 mm
Conductor cross-section	0.25 mm <sup>2</sup>
Wire diameter incl. insulation	1.32 mm ±0.02 mm
External cable diameter	4.70 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	yellow
Conductor material	Bare Cu litz wires
Material wire insulation	PVC
Single wire, color	brown, white, blue, black
Thickness, insulation	≥ 0.23 mm (Core insulation) ≥ 0.38 mm (Outer cable sheath)
Max. conductor resistance	max. 78 Ω/km (at 20 °C)
Insulation resistance	≥ 1 GΩ*km (at 20 °C)
Nominal voltage, cable	≤ 300 V
Test voltage	≥ 3000 V
Dynamic load capacity (bending)	Max. bending cycles: 2000000, Bending radius: 47 mm, Traversing path: 5 m, Traversing rate: 3 m/s
Flame resistance	in accordance with DIN UL-Style 20549
Ambient temperature (operation)	-25 °C ... 80 °C (cable, fixed installation) -5 °C ... 80 °C (Cable, flexible installation)

## Environmental and real-life conditions

### Ambient conditions

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

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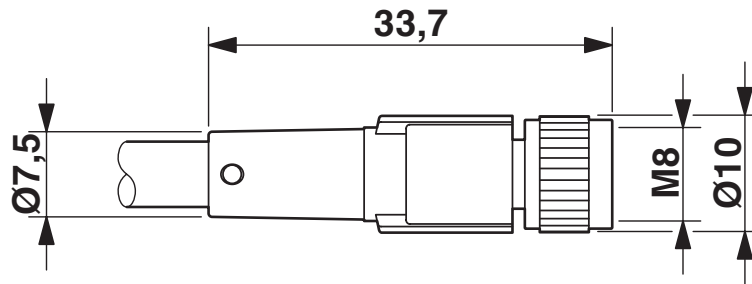


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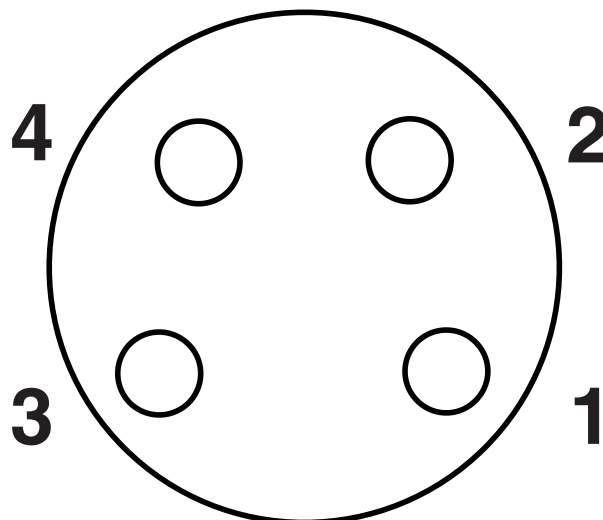
## Drawings

Dimensional drawing



Socket M8 x 1, straight

Schematic diagram



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

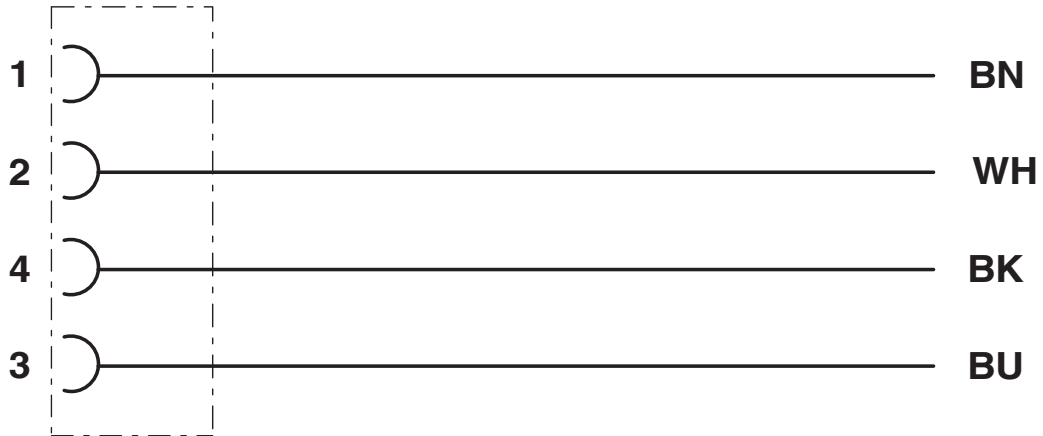
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Circuit diagram



Contact assignment of M8/M12 plugs/sockets

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## Classifications

### ECLASS

ECLASS-13.0	27060311
ECLASS-15.0	27060311

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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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