

# SAC-8P-15,0-850/M12FS HN - Sensor/actuator cable



1444173

<https://www.phoenixcontact.com/us/products/1444173>

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Sensor/actuator cable, 8-position, PUR halogen-free, black RAL 9005, shielded, free cable end, on Socket straight M12, cable length: 15 m

## Commercial data

Item number	1444173
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	AF1CMA
GTIN	4046356525701
Weight per piece (including packing)	831 g
Weight per piece (excluding packing)	222.22 g
Country of origin	PL

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## Technical data

### Product properties

Product type	Sensor/actuator cable
Number of positions	8

### Electrical properties

Nominal voltage $U_N$	30 V AC
	30 V DC

### Mechanical properties

#### Mechanical data

Insertion/withdrawal cycles	$\geq 100$
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### Connector

#### Connection 1

Type	free cable end
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#### Connection 2

Type	Socket straight M12
Number of positions	8

### Cable/line

Cable length	15 m
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#### PUR halogen-free black [850]

Number of positions	8
Shielded	yes
Cable type	PUR halogen-free black [850]
Conductor structure signal line	19x 0.10 mm
AWG signal line	26
Conductor structure, voltage supply	45x 0.10 mm
AWG power supply	22
Conductor cross-section	4x 0.14 mm <sup>2</sup> (Signal line)
	4x 0.34 mm <sup>2</sup> (Power supply)
Wire diameter incl. insulation	1 mm (Signal line)
	1.1 mm (Power supply)
External cable diameter	6 mm
Outer sheath, material	PUR
External sheath, color	black RAL 9005
Conductor material	Tin-plated Cu litz wires
Material, filler	PE + filler yarn
Material wire insulation	Foamed PE (Signal line)
	TPE (Power supply)

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Single wire, color	yellow, gray, violet, pink, white-green, brown-green, white, blue
Thickness, insulation	≥ 0.38 mm (Outer cable sheath)
Optical shield covering	85 %
Max. conductor resistance	≤ 134 mΩ/m (Signal line)
	≤ 55 mΩ/m (Power supply)
Insulation resistance	> 200 MΩ*km
Working capacitance	≤ 40 pF (Signal line)
Nominal voltage, cable	30 V
Test voltage Core/Core	500 V AC (at 50 Hz)
Test voltage Core/Shield	500.00 V AC (at 50 Hz)
Smallest bending radius, fixed installation	≥ 20 mm
Smallest bending radius, movable installation	≥ 75 mm
Dynamic load capacity (bending)	Max. bending cycles: 5000000, Bending radius: 75 mm
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-10 °C ... 80 °C (Cable, flexible installation)

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## Classifications

### ECLASS

ECLASS-13.0	27060311
ECLASS-15.0	27060311

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## Environmental product compliance

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

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