

SAC-4P- 3,0-PUR/M12FR BK SO - Sensor/actuator cable



1541555

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Sensor/actuator cable, 4-position, PUR/PVC, black RAL 9005, free cable end, on Socket angled M12, cable length: 3 m

Commercial data

Item number	1541555
Packing unit	5 pc
Minimum order quantity	100 pc
Product key	AF1CCA
GTIN	4046356087018
Weight per piece (including packing)	138.56 g
Weight per piece (excluding packing)	138.56 g
Country of origin	DE

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Technical data

Product properties

Product type	Sensor/actuator cable
Number of positions	4
Shielded	no

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100
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Connector

Connection 1

Type	free cable end
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Connection 2

Type	Socket angled M12
Number of positions	4

Cable/line

Cable length	3 m
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PUR/PVC black [350]

Cable weight	39 kg/km
UL AWM Style	20549
Number of positions	4
Shielded	no
Cable type	PUR/PVC black [350]
Conductor structure signal line	42x 0.10 mm
AWG signal line	22
Conductor cross-section	0.34 mm ²
Wire diameter incl. insulation	1.5 mm ±0.05 mm
External cable diameter	5.20 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	black RAL 9005
Conductor material	Bare Cu litz wires
Material wire insulation	PVC
Single wire, color	brown, white, blue, black
Thickness, insulation	approx. 0.30 mm (Core insulation) approx. 0.35 mm (Inner sheath) ≥ 0.38 mm (Outer cable sheath)
Overall twist	4 wires, twisted
Max. conductor resistance	max. 58 Ω/km (at 20 °C)

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Insulation resistance	$\geq 1 \text{ G}\Omega \cdot \text{km}$ (at 20 °C)
Nominal voltage, cable	$\leq 300 \text{ V}$
Test voltage	$\geq 3000 \text{ V}$
Smallest bending radius, fixed installation	52 mm
Smallest bending radius, movable installation	52 mm
Dynamic load capacity (bending)	Max. bending cycles: 2000000, Bending radius: 52 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

Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)
	-25 °C ... 80 °C (cable, fixed installation)
	-5 °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.
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EU REACH SVHC

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