

SAC-2P- 0,5-PUR/M12FS PR DVS - Sensor/actuator cable



1574878

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Sensor/actuator cable, 2-position, PUR/PVC, black-gray RAL 7021, free cable end, on Socket straight M12, coding: A, cable length: 0.5 m

Commercial data

Item number	1574878
Packing unit	100 pc
Minimum order quantity	100 pc
Product key	AF1CBA
GTIN	4046356447331
Weight per piece (including packing)	29.1 g
Weight per piece (excluding packing)	29.1 g
Country of origin	PL

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Technical data

Product properties

Product type	Sensor/actuator cable
Number of positions	2
Shielded	no

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Electrical properties

Nominal voltage U_N	250 V AC
	250 V DC
Nominal current I_N	4 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100
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Connection data

Conductor connection

Tightening torque	0.4 Nm
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Connector

Connection 1

Type	free cable end
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Connection 2

Type	Socket straight M12
Number of positions	2
Coding type	A

Cable/line

Cable length	0.5 m
Cable weight	34 kg/km
UL AWM Style	20549
Number of positions	2
Shielded	no
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 \pm 0.05 mm

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External cable diameter	5.20 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	black-gray RAL 7021
Conductor material	Bare Cu litz wires
Material wire insulation	PVC
Single wire, color	brown, blue
Thickness, insulation	≥ 0.23 mm (Core insulation) ≥ 0.38 mm (Outer cable sheath)
Overall twist	2 wires, twisted
Max. conductor resistance	max. 58 Ω/km (at 20 °C)
Insulation resistance	≥ 100 MΩ*km (at 20 °C)
Nominal voltage, cable	≤ 300 V
Test voltage	≥ 3000 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

Degree of protection	IP65 IP67
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

UNSPSC

UNSPSC 21.0	26121600
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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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