

SAC-8P-MS/ 5,0-542/ FS SCO BK - Sensor/actuator cable



1417913

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Sensor/actuator cable, 8-position, PVC, yellow, Plug straight M12, coding: A, on Socket straight M12, coding: A, cable length: 5 m

Commercial data

Item number	1417913
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	B21
Product key	BF1ICD
GTIN	4055626211329
Weight per piece (including packing)	245.5 g
Weight per piece (excluding packing)	245.5 g
Customs tariff number	85444290
Country of origin	US

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Technical data

Product properties

Product type	Sensor/actuator cable
Number of positions	8
Application	Standard, U.S. cables
No. of cable outlets	1
Shielded	no
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	CuZn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material for screw connection	Zinc die-cast, nickel-plated
Outer sheath, material	PVC

Electrical properties

Contact resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage U_N	30 V AC
	30 V DC
Nominal current I_N	2 A
Protective circuit	unwired

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100
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Signaling

Status display	No
Status display present	No

Connection data

Conductor connection

Tightening torque	0.4 Nm (M12 connector)
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Connector

Connection 1

Type	Plug straight M12
Number of positions	8
Coding type	A
Number of positions	8

Connection 2

Type	Socket straight M12
Number of positions	8
Coding type	A
Number of positions	8

Cable/line

Cable length	5 m
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PVC yellow 105 °C [542]

Dimensional drawing	
Cable weight	44 kg/km
UL AWM Style	2517 (105 °C / 300 V)
Number of positions	8
Shielded	no
Cable type	PVC yellow 105 °C [542]
Conductor structure signal line	32x 1.10 mm
AWG signal line	24
Wire diameter incl. insulation	1.12 mm ±0.03 mm
External cable diameter	5.7 mm ±0.2 mm
Outer sheath, material	PVC
External sheath, color	yellow
Conductor material	Tin-plated Cu litz wires
Material, filler	PP
Material wire insulation	PVC
Single wire, color	white, brown, green, yellow, gray, pink, blue, red
Overall twist	8 wires around filler to the core
Max. conductor resistance	max. 79.7 Ω/km (20 °C)
Insulation resistance	≥ (550 M Ohms/m @ 500V)