

Sensor/Actuator cable - SAC-3P-M12MS/3,0-PUR/CI-1L-Z - 1400783

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Sensor/Actuator cable, 3-position, PUR, black-gray RAL 7021, Plug straight M12, A-coded, on Valve connector CI (9.4 mm), with 1 LED, connected with Z diode, connected with Z diode, Cable length: 3 m

As illustrated, but without
SPEEDCON



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	120.0 g
Custom tariff number	85444290
Country of origin	Poland

Technical data

Dimensions

Length of cable	3 m
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Ambient conditions

Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)
	-20 °C ... 85 °C (valve plug)

General

Number of positions	3
Status display	1 LED
Protective circuit/component	Z diode
Insertion/withdrawal cycles	≥ 100

Cable

Cable type	PUR halogen-free black
Cable type (abbreviation)	PUR
Cable abbreviation	Li9Y11Y-HF

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Technical data

Cable

UL AWM style	20549
Conductor cross section	3x 0.5 mm ²
AWG signal line	20
Conductor structure signal line	28x 0.15 mm
Core diameter including insulation	1.5 mm ±0.05 mm (Signal line)
Wire colors	black 1, black 2, green/yellow
Overall twist	3 wires, twisted
External sheath, color	black-gray RAL 7021
External cable diameter D	4.5 mm ±0.2 mm
Smallest bending radius, fixed installation	22.5 mm
Number of bending cycles	15000000
Bending radius	50 mm
Traversing path	0.9 m
Traversing rate	5 m/s
Acceleration	30 m/s ²
Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Insulation resistance	min. 20 MΩ*km
Conductor resistance	39 Ω/km (at 20 °C)
Nominal voltage, cable	≤ 300 V
Test voltage, cable	≥ 1200 V
Flame resistance	According to DIN VDE 0482
	According to DIN EN 50265-2-1
Halogen-free	in accordance with DIN VDE 0472 part 815
Other resistance	Largely oil-resistant
	partly UV-resistant in accordance with DIN EN ISO 4892-2-A
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-20 °C ... 80 °C (cable, flexible installation)

Classifications

eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	27061801

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Classifications

eCl@ss

eCl@ss 6.0	27061801
eCl@ss 7.0	27061801
eCl@ss 8.0	27279218
eCl@ss 9.0	27060311

ETIM

ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 5.0	EC001855

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

Approvals

Approvals

Approvals

CSAus

Ex Approvals

Approvals submitted

Approval details

CSAus	
Nominal current I _N	4 A
Nominal voltage U _N	24 V

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Accessories

Accessories

Mounting material

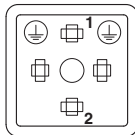
Screw - SAC-V-SCREW-M3-29 KNUURL - 1403779



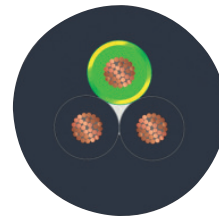
Fillister head screw with plastic knurl, M3 x 40

Drawings

Schematic diagram



Cable cross section



PUR halogen-free black [PUR]

Mouser Electronics

Authorized Distributor

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