

SAC-3P- 2,0-116/A-1L-Z 110V - Sensor/actuator cable



1403251

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Sensor/actuator cable, 3-position, PUR/PVC, black RAL 9005, free cable end, on Valve connector A, with 1 LED, Wiring: Z diode, cable length: 2 m

The figure shows the 24 V version.

Commercial data

Item number	1403251
Packing unit	1 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Product key	AF1DAA
GTIN	4046356645539
Weight per piece (including packing)	130.6 g
Weight per piece (excluding packing)	125.8 g
Country of origin	PL

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Technical data

Product properties

Product type	Sensor/actuator cable with valve connector
Number of positions	3
No. of cable outlets	1
Shielded	no

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

Conductor connection

Tightening torque	0.6 Nm (Valve connector)
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Material specifications

Flammability rating according to UL 94	V0
Seal material	TPU
Material housing valve plug	TPU
Contact material	CuSn
Valve plug contact insert material	PA 6.6
Contact surface material	Sn

Electrical properties

Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	110 V AC
	110 V DC
Nominal current I_N	1 A

Signaling

Status display	1 LED
Status display present	yes

Connector

Connection 1

Type	free cable end
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Connection 2

Type	Valve connector A
Number of positions	3
Material	CuSn (Contact)
	Sn (Contact surface)
	PA 6.6 (Contact carrier)

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	TPU (Housing)
Protective circuit	Z diode

Cable/line

Cable length	2 m
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PUR/PVC, 0.75 mm², black [116]

Dimensional drawing	
Cable weight	53.4 kg/km
UL AWM Style	20549
Number of positions	3
Shielded	no
Cable type	PUR/PVC, 0.75 mm ² , black [116]
Conductor structure signal line	24x 0.20 mm
AWG signal line	18
Conductor cross-section	3x 0.75 mm ²
Wire diameter incl. insulation	1.7 mm ±0.05 mm
External cable diameter	5.80 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	black 1, black 2, green/yellow
Overall twist	3 wires, twisted
Max. conductor resistance	26 Ω/km (at 20 °C)
Insulation resistance	≥ 20 MΩ*km
Nominal voltage, cable	300 V
Test voltage	1200 V
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexible installation	10 x D
Smallest bending radius, fixed installation	29 mm
Smallest bending radius, movable installation	58 mm
Dynamic load capacity (bending)	Max. bending cycles: 1000000, Traversing path: 10 m, Traversing rate: 2 m/s, Acceleration: 2.5 m/s ²
Flame resistance	DIN VDE 0482 DIN EN 50265-2-1 in acc. with UL FT-2

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Resistance to oil	in accordance with DIN EN 60811-2-1
Other resistance	Low adhesion
Special properties	flexible
Ambient temperature (operation)	-40 °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) (Valve connector)	-20 °C ... 85 °C (Valve connector)

Standards and regulations

Standard designation	Valve connector
Standards/specifications	EN 175301-803

Drawings

Dimensional drawing



Valve connector, type A

Dimensional drawing



Valve connector, type A, side view

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Schematic diagram



Valve connector pin assignment, type A

Circuit diagram



Contact assignment of the valve plug

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Classifications

ECLASS

ECLASS-13.0	27060312
ECLASS-15.0	27060312

ETIM

ETIM 9.0	EC001855
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UNSPSC

UNSPSC 21.0	31251500
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a)

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.)	Lead(CAS: 7439-92-1)
SCIP	c697386f-fa93-4173-9b65-2fcb7b5090f1

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