XMLA035A2C11

pressure switch XMLA 35 bar - fixed scale 1 threshold - 1 C/O

Main

Main	
Commercial Status	Commercialised
Range of product	OsiSense XM
Product or component type	Electromechanical pressure sensor
Pressure sensor type	Electromechanical pressure sensor
Device short name	XMLA
Pressure sensor size	35 bar
Controlled fluid	Sea water (070 °C) Hydraulic oil (070 °C) Fresh water (070 °C) Air (070 °C)
Fluid connection type	G 1/4 (female) conforming to ISO 228
Electrical connection	1 male connector DIN 43650 A 4 pins
Contacts type and composition	1 C/O
Product specific application	-
Pressure switch type of operation	Detection of 1 single threshold
Electrical circuit type	Control circuit
Scale type	Fixed differential
Local display	With
Adjustable range of switching point on rising pressure	1.535 bar
Adjustable range of switching point on falling pressure	0.2533.75 bar
Maximum permissible accidental pressure	80 bar
Destruction pressure	160 bar
Pressure actuator	Diaphragm
Materials in contact with fluid	Brass Nitrile Zinc alloy
Enclosure material	Zinc alloy
[In] rated current	0.1 A, R300, DC-13 (Ue = 250 V) conforming to EN/ IEC 60947-5-1 1.5 A, B300, AC-15 (Ue = 240 V) conforming to EN/ IEC 60947-5-1 3 A, B300, AC-15 (Ue = 120 V) conforming to EN/ IEC 60947-5-1

Complementary

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Natural differential at low setting	1.25 bar (+/- 0.25 bar)	
Natural differential at high setting	1.25 bar (+/- 0.25 bar)	
Maximum permissible pressure - per cycle	45 bar	
Terminal block type	4 terminals	
Operating rate	<= 120 cyc/mn at > 0 °C	
Repeat accuracy	< 2 %	
[Ui] rated insulation voltage	500 V conforming to EN/IEC 60947-1 300 V conforming to UL 508 300 V conforming to CSA C22-2 No 14	
[Uimp] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-1	

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Auxiliary contacts operation	Snap action	
Contacts material	Silver contacts	
Resistance across terminals	< 25 mOhm conforming to NF C 93-050 method A < 25 mOhm conforming to IEC 255-7 category 3	
Short circuit protection	10 A cartridge fuse type gG (gl)	
Mechanical durability	5000000 cycles	
Setting	External	
Height	75 mm	
Depth	113 mm	
Width	35 mm	
Product weight	0.725 kg	

Environment

Standards	CE CSA C22-2 No 14 EN/IEC 60947-5-1 UL 508
Product certifications	BV CCC CSA DNV GL LROS (Lloyds register of shipping) RINA UL VIT-SEPRO
Protective treatment	TC
Ambient air temperature for operation	-2570 °C
Ambient air temperature for storage	-4070 °C
Operating position	Any position
Vibration resistance	4 gn (f = 30500 Hz) conforming to IEC 68-2-6
Shock resistance	50 gn conforming to IEC 68-2-27
Class of protection against electric shock	Class I conforming to NF C 20-030 Class I conforming to IEC 536 Class I conforming to IEC 1140
IP degree of protection	IP65 conforming to EN/IEC 60529

RoHS compliance

RoHS EUR status	Compliant
RoHS EUR conformity date(YYWW)	0928

Contractual warranty

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Period	18 months
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