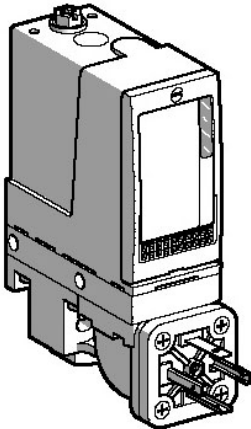


# XMLA020A2C11

pressure switch XMLA 20 bar - fixed scale 1  
threshold - 1 C/O



## Main

Range of product	OsiSense XM
Product or component type	Electromechanical pressure sensor
Pressure sensor type	Electromechanical pressure sensor
Product specific application	-
Pressure sensor name	XMLA
Electrical circuit type	Control circuit
Pressure swt type of operation	Detection of 1 single threshold
Type of scale	Fixed differential
Pressure sensor size	20 bar
Local display	With
Fluid connection type	G 1/4 (female) conforming to ISO 228
Adj range low setting	0.6...19 bar
Adj range high setting	1...20 bar
Max perm accidental pressure	45 bar
Destruction pressure	90 bar
Electrical connection	1 male connector DIN 43650 A 4 pins
Pressure actuator	Diaphragm
Controlled fluid	Air (0 - 70 °C) Fresh water (0 - 70 °C) Hydraulic oil (0 - 70 °C) Sea water (0 - 70 °C)
Materials in contact with fluid	Nitrile Zinc alloy
Enclosure material	Zinc alloy
In rated current	B300, AC-15 (Ue = 120 V conforming to EN/IEC 60947-5-1 B300, AC-15 (Ue = 240 V conforming to EN/IEC 60947-5-1 R300, DC-13 (Ue = 250 V conforming to EN/IEC 60947-5-1
Contacts type and composition	1 C/O

## Complementary

Natural diff at low setting	0.4 bar (+/- 0.2 bar)
Natural diff at high setting	1 bar (+/- 0.1 bar)
Max perm pressure - per cycle	25 bar
Terminal block type	4 terminals
Operating rate	< 120 cyc/mn at > 0 °C
Repeat accuracy	< 2 %
Ui rated insulation voltage	300 V conforming to CSA C22-2 No 14 300 V conforming to UL 508 500 V conforming to EN/IEC 60947-1
Uimp rated imp wstdvoltage	6 kV conforming to EN/IEC 60947-1
Auxiliary contacts operation	Snap action
Contacts material	Silver contacts
Resistance across terminals	< 25 mOhm conforming to IEC 255-7 category 3 < 25 mOhm conforming to NF C 93-050 method A

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Short circuit protection	10 A cartridge fuse type gG (gl)
Mechanical durability	5000000 cycles
Setting	External
Product weight	0.715 kg
Terminals description ISO n <sub>T</sub> 1	(13-14-11-12)OF
Height	75 mm
Depth	113 mm
Width	35 mm
CAD overall depth	85 mm
CAD overall height	113 mm
CAD overall width	35 mm

## Environment

Standards	CE CSA C22-2 No 14 EN/IEC 60947-5-1 UL 508
Product certifications	BV CCC CSA DNV (Det Norske Veritas) GL LROS (Lloyds register of shipping) RINA UL VIT-SEPRO
Protective treatment	TC
Ambient air temp for op	-25...70 °C
Ambient air temp for storage	-40...70 °C
Operating position	Any position
Vibration resistance	4 gn (f = 30 - 500 Hz) conforming to IEC 68-2-6
Shock resistance	50 gn conforming to IEC 68-2-27
Class of prot agnst elec shock	Class I conforming to IEC 1140 Class I conforming to IEC 536 Class I conforming to NF C 20-030
IP degree of protection	IP65 conforming to EN/IEC 60529

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