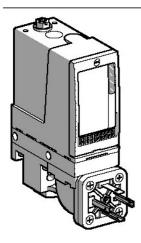
## Product data sheet Characteristics

### XMLA070D2C11

# pressure switch XMLA 70 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	70 bar
Local display	With
Fluid connection type	G 1/4 (female) conforming to ISO 228
Adj range low setting	262.5 bar
Adj range high setting	570 bar
Max perm accidental pressure	160 bar
Destruction pressure	320 bar
Electrical connection	1 male connector DIN 43650 A 4 pins
Pressure actuator	Piston
Controlled fluid	Hydraulic oil (0 - 160 °C)
Materials in contact wth fluid	Brass FPM, FKM PTFE

Steel

Zinc alloy

60947-5-1

60947-5-1

60947-5-1

1 C/O

B300, AC-15 (Ue = 120 V conforming to EN/IEC

B300, AC-15 (Ue = 240 V conforming to EN/IEC

R300, DC-13 (Ue = 250 V conforming to EN/IEC

#### Complementary

Natural diff at low setting	3 bar (+/- 1 bar)	
Natural diff at high setting	7.5 bar (+/- 1 bar)	
Max perm pressure - per cycle	90 bar	
Terminal block type	4 terminals	
Operating rate	<= 60 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	
Short circuit protection	10 A cartridge fuse type gG (gl)	

Enclosure material

Contacts type and com-

In rated current

position

Mechanical durability	6000000 cycles
Setting	External
Product weight	0.725 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	-2570 °C	-
Ambient air temp for storage	-4070 °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	

