

# XMLA500D2S11

pressure switch XMLA 500 bar - fixed scale 1  
threshold - 1 C/O



## 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	500 bar
Controlled fluid	Hydraulic oil (0...160 °C)
Fluid connection type	G 1/4 (female) conforming to ISO 228
Electrical connection	Screw-clamps terminals 1 x 0.2...2 x 2.5 mm <sup>2</sup>
AWG gauge	AWG24...AWG14
Cable entry number	1 tapped entry (Pg 13.5) forcable gland , cable outer diameter: 9...13 mm
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	30...500 bar
Adjustable range of switching point on falling pressure	10...455 bar
Maximum permissible accidental pressure	1125 bar
Destruction pressure	2250 bar
Pressure actuator	Piston
Materials in contact with fluid	Brass FPM, FKM PTFE Stainless steel Steel
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

Natural differential at low setting	20 bar (+/- 6 bar)
Natural differential at high setting	45 bar (+/- 10 bar)
Maximum permissible pressure - per cycle	625 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 14 500 V conforming to EN/IEC 60947-1 300 V conforming to UL 508
[Uimp] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-1
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	3000000 cycles
Setting	External
Height	113 mm
Depth	75 mm
Width	35 mm
Product weight	0.75 kg

## Environment

Standards	CE EN/IEC 60947-5-1 UL 508 CSA C22.2 No 14
Product certifications	BV CCC CSA GOST LROS (Lloyds register of shipping) RINA UL
Protective treatment	TC (standard version)
Ambient air temperature for operation	-25...70 °C
Ambient air temperature 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 protection against electric shock	Conforming to NF C 20-030 Conforming to IEC 536 Conforming to IEC 1140
IP degree of protection	IP66 conforming to EN/IEC 60529

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 0902 - <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available <a href="#">Download Product Environmental</a>
Product end of life instructions	Need no specific recycling operations