



Main

Range of product	OsiSense XM
Product or component type	Electromechanical pressure sensor
Pressure sensor type	Electromechanical pressure sensor
Pressure sensor name	XMLB
Cable entry	1 entry tapped for Pg 13.5 cable gland, cable outer diameter: 9...13 mm
Contacts type and composition	1 C/O
Electrical circuit type	Control circuit
Controlled fluid	Hydraulic oil (0...160 °C)
Electrical connection	Screw-clamps terminals 1 x 0.2...2 x 2.5 mm ²
Fluid connection type	G 1/4 (female) conforming to ISO 228
Pressure sensor size	70 bar
Scale type	Adjustable differential
Local display	With
Pressure switch type of operation	Regulation between 2 thresholds
Product specific application	-
Adjustable range of switching point on rising pressure	7...70 bar
Adjustable range of switching point on falling pressure	2.3...61.2 bar
Possible differential maximum at high setting	50 bar
Maximum permissible accidental pressure	160 bar
Destruction pressure	320 bar
Pressure actuator	Piston
Materials in contact with fluid	Brass FPM, FKM PTFE Steel
Enclosure material	Zinc alloy
[In] rated current	B300, AC-15 (U _e = 120 V) B300, AC-15 (U _e = 240 V) R300, DC-13 (U _e = 250 V)

Complementary

Possible differential minimum at low setting	4.7 bar (- 0.4 bar, + 0.7 bar)
Possible differential minimum at high setting	8.8 bar (- 0.6 bar, + 0.8 bar)
Maximum permissible 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 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 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)
Mechanical durability	6000000 cycles
Setting	External
Terminals description ISO n°1	(13-14-11-12)OF
Height	75 mm
Depth	113 mm
Width	35 mm
CAD overall depth	75 mm
CAD overall height	113 mm
CAD overall width	35 mm
Product weight	0.715 kg

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 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	Class I conforming to IEC 1140 Class I conforming to IEC 536 Class I conforming to NF C 20-030
IP degree of protection	IP66 conforming to EN/IEC 60529