



### 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	XMLB
Electrical circuit type	Control circuit
Pressure swt type of operation	Regulation between 2 thresholds
Type of scale	Adjustable differential
Pressure sensor size	500 bar
Local display	With
Fluid connection type	G 1/4 (female) conforming to ISO 228
Adj range low setting	7...447.4 bar
Adj range high setting	30...500 bar
Possible diff max at high setg	300 bar
Max perm accidental pressure	1125 bar
Destruction pressure	2250 bar
Electrical connection	Screw-clamps terminals 1 x 0.2...2 x 2.5 mm <sup>2</sup>
Cable entry	1 entry tapped for M20 x 1.5 cable gland, cable outer diameter: 7 - 13 mm
Pressure actuator	Piston
Controlled fluid	Hydraulic oil (0 - 160 °C)
Materials in contact with fluid	Brass FPM, FKM PTFE Steel
Enclosure material	Zinc alloy
In rated current	B300, AC-15 (U <sub>e</sub> = 120 V conforming to EN/IEC 60947-5-1 B300, AC-15 (U <sub>e</sub> = 240 V conforming to EN/IEC 60947-5-1 R300, DC-13 (U <sub>e</sub> = 250 V conforming to EN/IEC 60947-5-1
Contacts type and composition	1 C/O

### Complementary

Possible diff min at low setg	23 bar (- 2.6 bar, + 3.8 bar)
Possible diff min at high setg	52.6 bar (- 14.8 bar, + 11.2 bar)
Max perm 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 14 300 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)
Mechanical durability	3000000 cycles
Setting	External
Product weight	0.75 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	75 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	IP66 conforming to EN/IEC 60529

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