



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	70 bar
Local display	With
Fluid connection type	G 1/4 (female) conforming to ISO 228
Adj range low setting	2.3...61.2 bar
Adj range high setting	7...70 bar
Possible diff max at high setg	50 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
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

Possible diff min at low setg	4.7 bar (- 0.4 bar, + 0.7 bar)
Possible diff min at high setg	8.8 bar (- 0.6 bar, + 0.8 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

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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
Product weight	0.745 kg
Terminals description ISO nT 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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