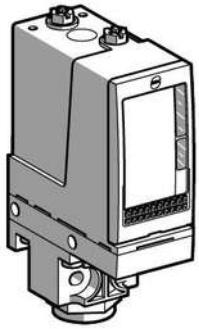
Product data sheet
Characteristics

XMLB500D2S11
pressure switch XMLB 500 bar - adjustable scale 2 thresholds - 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	XMLB
Electrical circuit type	Control circuit
Pressure switch type of operation	Regulation between 2 thresholds
Scale type	Adjustable differential
Pressure sensor size	500 bar
Local display	With
Fluid connection type	G 1/4 (female) ISO 228
Adjustable range of switching point on falling pressure	7...447,4 bar
Adjustable range of switching point on rising pressure	30...500 bar
Electrical connection	Screw-clamps terminals 1 x 0.2...2 x 2.5 mm²
Cable entry	1 entry tapped for Pg 13.5 cable gland 9...13 mm
Pressure actuator	Piston
Controlled fluid	Hydraulic oil 0...160 °C
IP degree of protection	IP66 EN/IEC 60529
[In] rated current	0,1 A 250 V DC-13 R300 EN/IEC 60947-5-1 1,5 A 240 V AC-15 B300 EN/IEC 60947-5-1 3 A 120 V AC-15 B300 EN/IEC 60947-5-1
Contacts type and composition	1 C/O
Setting	External

Complementary

Possible differential minimum at low setting	23 bar - 2.6 bar, + 3.8 bar
Possible differential minimum at high setting	52,6 bar - 14.8 bar, + 11.2 bar
Possible differential maximum at high setting	300 bar
Maximum permissible accidental pressure	1125 bar
Maximum permissible pressure - per cycle	625 bar
Destruction pressure	2250 bar
Terminal block type	4 terminals
Materials in contact with fluid	FPM, FKM PTFE Brass Steel
Enclosure material	Zinc alloy
Operating position	Any position
Operating rate	≤ 60 cyc/mn > 0 °C
Repeat accuracy	< 2 %
[Ui] rated insulation voltage	300 V CSA C22-2 No 14 300 V UL 508 500 V EN/IEC 60947-1
[Uimp] rated impulse withstand voltage	6 kV EN/IEC 60947-1

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Auxiliary contacts operation	Snap action
Contacts material	Silver contacts
Resistance across terminals	< 25 mOhm IEC 255-7 category 3 < 25 mOhm NF C 93-050 method A
Short circuit protection	10 A cartridge fuse gG (gl)
Mechanical durability	3000000 cycles
Product weight	0,75 kg
Height	75 mm
Depth	113 mm
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 temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...70 °C
Vibration resistance	4 gn IEC 68-2-6 30...500 Hz
Shock resistance	50 gn IEC 68-2-27
Class of protection against electric shock	Class I NF C 20-030 Class I IEC 1140 Class I IEC 536
RoHS EUR conformity date	0928
RoHS EUR status	Compliant