Product data sheet

Specifications



pressure switch XMLA 20 bar - fixed scale 1 threshold - 1 C/O

XMLA020A2S13

Product availability : Stock - Normally stocked in distribution facility

Price* : 207.00 USD

Main

Range of Product	Telemecanique Pressure sensors XM
Product or Component Type	Electromechanical pressure sensor
Pressure sensor type	Electromechanical pressure sensor
Device short name	XMLA
Pressure Rating	290.08 psi (20 bar)
Controlled fluid	Air 32…158 °F (0…70 °C)) Fresh water 32…158 °F (0…70 °C)) Hydraulic oil 32…158 °F (0…70 °C))
Fluid connection type	1/4" - 18 NPTF (female)
Electrical connection	Screw-clamps terminals, 1 x 0.5...2 x 2.5 mm²
AWG Gauge	AWG 20...AWG 14
Cable entry	Cable gland 0.28…0.51 in (7…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	14.50…290.08 psi (1…20 bar)
Adjustable range of switching point on falling pressure	8.70…275.57 psi (0.6…19 bar)
Maximum permissible accidental pressure	652.67 psi (45 bar)
Destruction pressure	1305.34 psi (90 bar)
Pressure actuator	Diaphragm
Materials in contact with fluid	Zinc alloy Nitrile Brass
Enclosure Material	Zinc alloy
Line Rated Current	3 A, B300, AC-15 (Ue = 120 V)EN/IEC 60947-5-1 1.5 A, B300, AC-15 (Ue = 240 V)EN/IEC 60947-5-1

* Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

0.1 A, R300, DC-13 (Ue = 250 V)EN/IEC 60947-5-1

Complementary

Natural differential at low setting	5.80 psi (0.4 bar) +/- 0.2 bar)
Natural differential at high setting	14.50 psi (1 bar) +/- 0.1 bar)
Maximum permissible pressure - per cycle	362.59 psi (25 bar)
Terminal block type	4 terminals
Maximum operating rate	120 cyc/mn
Repeat accuracy	2 %
[Ui] rated insulation voltage	300 V UL 508 500 V EN/IEC 60947-1 300 V CSA C22.2 No 14
[Uimp] rated impulse withstand voltage	6 kV EN/IEC 60947-1
Auxiliary contacts operation	Snap action
Contacts material	Silver contacts
Maximum 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	5000000 cycles
Setting	External
Height	4.45 in (113 mm)
Depth	2.95 in (75 mm)
Width	1.38 in (35 mm)
Net Weight	1.51 lb(US) (0.685 kg)

Environment

Standards	UL 508 CSA C22.2 No 14 CE EN/IEC 60947-5-1
Product Certifications	EAC LROS (Lloyds register of shipping) UL CCC BV CSA
Protective treatment	TC standard version
Ambient Air Temperature for Operation	-13…158 °F (-25…70 °C)
Ambient Air Temperature for Storage	-40…158 °F (-40…70 °C)
Operating position	Any position
Vibration resistance	4 gn 30…500 Hz)IEC 60068-2-6
Shock resistance	50 gn IEC 60068-2-27
Electrical shock protection class	Class I IEC 1140 Class I IEC 536 Class I NF C 20-030
IP degree of protection	IP66 conforming to EN/IEC 60529

Ordering and shipping details

Category	22661-XMLA,B,C,D PRESSURE SWITCHES
Discount Schedule	DS2
GTIN	3389110749465
Returnability	Yes
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.65 in (4.2 cm)
Package 1 Width	3.35 in (8.5 cm)
Package 1 Length	4.80 in (12.2 cm)
Package 1 Weight	24.62 oz (697.9 g)
Unit Type of Package 2	S02
Number of Units in Package 2	13
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	20.85 lb(US) (9.458 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile

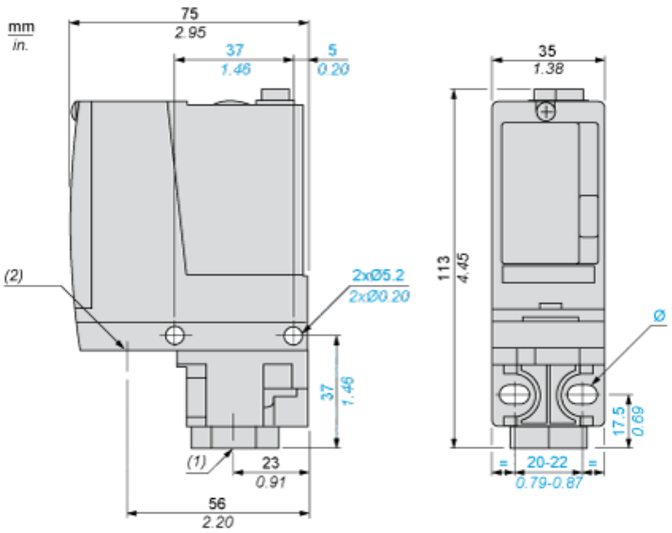
Contractual warranty

Warranty	18 months

Product data sheet XMLA020A2S13

Dimensions Drawings

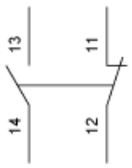
Dimensions



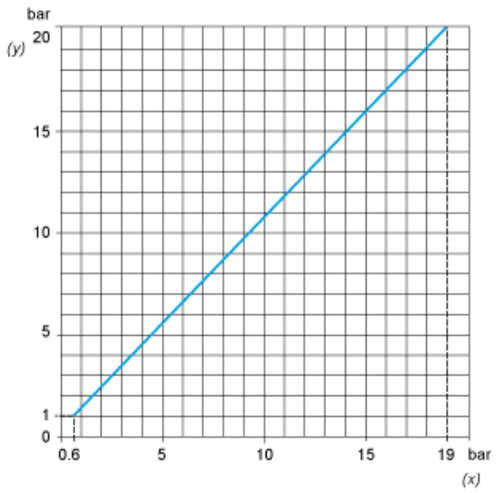
(1) 1 fluid entry, tapped 1/4" NPTF
(2) 1 electrical connections entry, tapped 1/2" NPT
Ø : 2 elongated holes Ø 5.2 x 6.7

Wiring Diagram

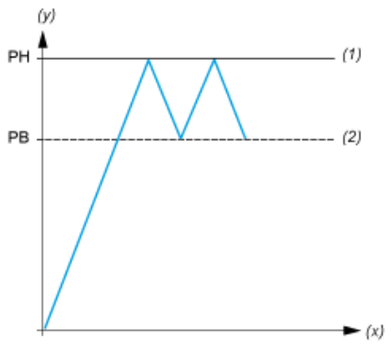
Terminal Model



Operating Curves



(y) Rising pressure
(x) Falling pressure



(y) Pressure
(x) Time
(1) Adjustable value
(2) Non adjustable value
PH : High point
PB : Below point

Recommended replacement(s)