



Main

Range of product	OsiSense ATEX D
Pressure sensor type	Electromechanical vacuum sensor
Product specific application	ATEX D
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	2.9 psi (0.2 bar)
Local display	With
Fluid connection type	G 1/4 (female) conforming to ISO 228
Adjustable range of switching point on falling pressure	-2.9...-0.29 psi (-0.2...-0.02 bar)
Adjustable range of switching point on rising pressure	-2.64...-0.03 psi (-0.182...-0.002 bar)
Possible differential maximum at high setting	2.61 psi (0.18 bar)
Maximum permissible accidental pressure	29.01 psi (2 bar)
Destruction pressure	50.76 psi (3.5 bar)
Pressure actuator	Diaphragm
Controlled fluid	Air 0...70 °C Hydraulic oil 0...70 °C Water 0...70 °C
Materials in contact with fluid	FPM, FKM Stainless steel Steel
Enclosure material	Zinc alloy

Complementary

Maximum permissible pressure - per cycle	14.5 psi (1 bar)
Cable entry number	1 tapped entry M20 x 1.5 cable gland (included)
Terminal block type	4 terminals
Repeat accuracy	2 %
Auxiliary contacts operation	Snap action
Contacts material	Silver contacts
Mechanical durability	3000000 cycles
Setting	External
Terminals description ISO n°1	(13-14-11-12)OF
Height	5.71 in (145 mm)
Depth	6.12 in (155.5 mm)
Width	5.91 in (150 mm)

Environment

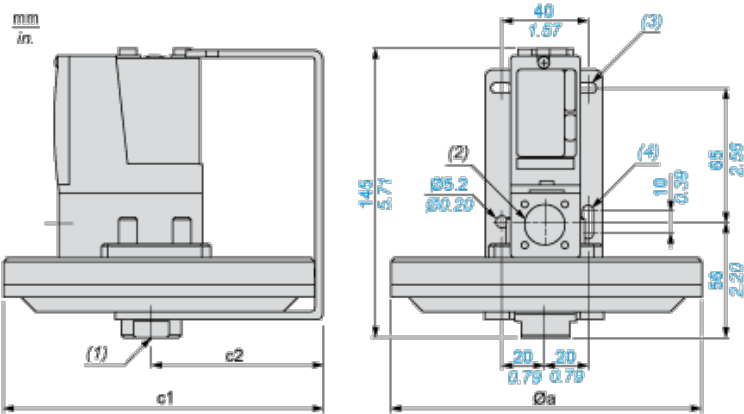
standards	EN/IEC 60079-0 EN/IEC 60079-31
directives	2014/34/EU - ATEX directive
product certifications	INERIS 04ATEX0058 IEC-Ex IEC 17.0019
marking	II2 D-Ex tb IIIC T85°C Db IP66
protective treatment	TC
ambient air temperature for operation	-4...140 °F (-20...60 °C)

operating position	Any position
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Offer Sustainability

Not Green Premium product	Not Green Premium product
Compliant - since 0945 - Schneider Electric declaration of conformity	Compliant - since 0945 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Need no specific recycling operations	Need no specific recycling operations
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and	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.	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	For more information go to www.p65warnings.ca.gov

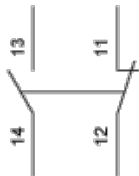
Dimensions



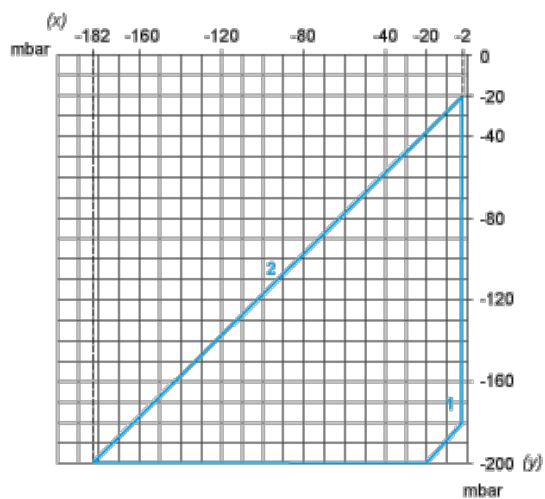
- Ø a 150
=
- c1 = 155.5
c2 = 80.5
- (1) 1 fluid entry, tapped G1/4 (BSP female)
 - (2) 1 electrical connections entry, tapped M20 x 1.5
 - (3) 2 elongated holes Ø 10.2 x 5.2
 - (4) 1 elongated hole Ø 15.2 x 5.2

Wiring Diagram

Terminal Model



Operating Curves

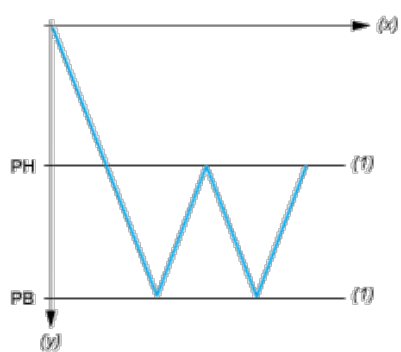


(x) Rising pressure

(y) Falling pressure

1 : Maximum differential

2 : Minimum differential



(x) Time

(y) Vacuum

(1) Adjustable value

PH : High point

PB : Below point