Product data sheet
Characteristics

XMLCS35R2S13
PRESSURE SWITCH ADJUST SCALE 2 THRESHOLD 30 Bar max

Product availability : Stock - Normally stocked in distribution facility

Main

Range of product	OsiSense XM
Product or component type	Electromechanical pressure sensor
Pressure sensor type	Electromechanical pressure sensor
Device short name	XMLC
Pressure sensor size	5.08 psi (0.35 bar)
Controlled fluid	Air (32...320 °F (0...160 °C)) Hydraulic oil (32...320 °F (0...160 °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 7...13 mm
Contacts type and composition	2 C/O
Product specific application	30 bar overpressure
Pressure switch type of operation	Regulation between 2 thresholds
Electrical circuit type	Control circuit
Scale type	Adjustable differential
Local display	With
Adjustable range of switching point on rising pressure	0.61...4.79 psi (0.042...0.33 bar)
Adjustable range of switching point on falling pressure	0.03...3.51 psi (0.002...0.242 bar)
Possible differential maximum at high setting	3.34 psi (0.23 bar)
Maximum permissible accidental pressure	543.89 psi (37.5 bar)
Destruction pressure	979 psi (67.5 bar)
Pressure actuator	Diaphragm
Materials in contact with fluid	FPM, FKM Steel

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

	304L stainless steel
Enclosure material	Zinc alloy
[In] rated current	3 A, B300, AC-15 (Ue = 120 V) conforming to EN/IEC 60947-5-1 1.5 A, B300, AC-15 (Ue = 240 V) conforming to EN/IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to EN/IEC 60947-5-1

Complementary

Possible differential minimum at low setting	0.58 psi (0.04 bar) (+/- 20 mbar)
Possible differential minimum at high setting	1.28 psi (0.088 bar) (+/- 20 mbar)
Maximum permissible pressure - per cycle	435.11 psi (30 bar)
Terminal block type	8 terminals
Operating rate	120 cyc/mn at 0...70 °C
Repeat accuracy	< 2 %
[Ui] rated insulation voltage	300 V conforming to CSA C22.2 No 14 500 V conforming to EN/IEC 60947-1 300 V conforming to UL 508
[Uimp] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-1
Auxiliary contacts operation	Simultaneous, 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	2000000 cycles
Setting	External
Height	4.45 in (113 mm)
Depth	3.35 in (85 mm)
Width	1.81 in (46 mm)
Product weight	7.72 lb(US) (3.5 kg)

Environment

Standards	CE CSA C22.2 No 14 UL 508 IEC 60947-5-1 EN/IEC 60947-5-1
Product certifications	CSA EAC UL
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 (f = 30...500 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn conforming to IEC 60068-2-27
Electrical shock protection class	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

Ordering and shipping details

Category	22661 - XMLA,B,C,D PRESSURE SWITCHES
Discount Schedule	DS2
GTIN	00785901917397
Nbr. of units in pkg.	1

Package weight(Lbs)	6.4000000000000004
Returnability	Y
Country of origin	CZ

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0928 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity

Contractual warranty

Warranty period	18 months