

Product data sheet

XMLCS35R2S13

Pressure switch, XMLC, pressure range 30 bar, 2 thresholds

Main

Range of product	Telemecanique Pressure sensors XM
Pressure sensor type	Electromechanical pressure sensor
Product or component type	Electromechanical pressure sensor
Device short name	XMLC
Product specific application	30 bar overpressure
ETIM classification	ETIM 9 - EC000243 - Pressure switch
Enclosure material	Zinc alloy
Materials in contact with fluid	304L stainless steel FPM, FKM steel
Pressure switch type of operation	Regulation between 2 thresholds
Operating position	Any position
Pressure sensor size	0.35 Bar
Maximum permissible accidental pressure	37.5 Bar
Maximum permissible pressure - per cycle	30 Bar
Destruction pressure	67.5 Bar
Pressure actuator	Diaphragm
Possible differential maximum at high setting	0.23 Bar
Controlled fluid	Air (0-160 °C), hydraulic oil (0-160 °C)
Fluid connection type	1/4" - 18 NPTF (female)
Local display	With
AWG gauge	AWG 20...AWG 14
Scale type	Adjustable differential
Setting	External
Product certifications	CSA UL
Standards	CE CSA C22.2 No 14 IEC 60947-5-1 UL 508
Indivisible sale quantity	1

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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.
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Complementary

Mechanical durability	2000000 cycles
Cable entry	Cable gland 7-13 mm
Repeat accuracy	2 %
Electrical connection	Screw-clamps terminals, 1 x 0.5...2 x 2.5 mm²
Electrical circuit type	Control circuit
Contacts type and composition	2 C/O
Contacts material	Silver contacts
Terminals description ISO n°1	(13-14-11-12)OF
Terminals description ISO n°2	(23-24-21-22)OF
Auxiliary contacts operation	Simultaneous, snap action
Operating rate	120 cyc/mn
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947-1
[Ui] rated insulation voltage	300 V conforming to UL 508, 500 V conforming to IEC 60947-1, 300 V conforming to CSA C22.2 No 14
[In] rated current	3 A, B300, AC-15 (Ue = 120 V) conforming to IEC 60947-5-1, 1.5 A, B300, AC-15 (Ue = 240 V) conforming to IEC 60947-5-1, 0.1 A, R300, DC-13 (Ue = 250 V) conforming to IEC 60947-5-1
Resistance across terminals	25 mOhm conforming to IEC 255-7 category 3, 25 mOhm conforming to NF C 93-050 method A
Electrical shock protection class	Class I conforming to IEC 1140, class I conforming to IEC 536, class I conforming to NF C 20-030
Short-circuit protection	10 A cartridge fuse, type gG (gI)
Adjustable range of switching point on rising pressure	0.0420...0.3300 bar
Adjustable range of switching point on falling pressure	0.0020...0.2420 bar
Terminal block type	8 terminals
Possible differential minimum at low setting	0.04 bar (+/- 20 mbar)
Possible differential minimum at high setting	0.088 bar (+/- 20 mbar)
Height	113 mm
Width	46 mm
Depth	85 mm
Product weight	3.5 kg

Environment

IP degree of protection	IP66 conforming to IEC 60529
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...70 °C
Shock resistance	50 gn conforming to IEC 60068-2-27
Vibration resistance	4 gn conforming to IEC 60068-2-6 (f = 30-500 Hz)

Protective treatment	TC standard version

Offer Sustainability

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

Warranty

Warranty	18 months

Packing Units

Country of origin	CZ (Czech Republic) MA (Morocco)
Unit type of package 1	PCE
Number of units in package 1	1
New Package 1 GTIN-13	3666916026182
Package 1 height	15.52 cm
Package 1 width	15.3 cm
Package 1 length	15.5 cm
Package 1 weight	3.5 kg
New Package 2 GTIN 14	13666916026189
New Package 3 GTIN 14	23666916026186