TECHNICAL DATA SHEET

SQUARE D

XMLB010A2S11

pressure switch



General	
Device short name	**XMLB**
Product or component type	**Electromechanical pressure sensor**

Performance	
Pressure rating	**10 bar**
Maximum operating rate	**120 cyc/mn**
Repeat accuracy	**2 %**

Fluids	
Controlled fluid	**Air (0…70 °C) Fresh water (0…70 °C) Hydraulic oil (0…70 °C)**

Mechanical	
Fluid connection type	**G 1/4 (female) conforming to ISO 228**

Electrical	
Electrical connection	**Screw-clamps terminals, 1 x 0.5…2 x 2.5 mm² 1 connector Pg 13**
AWG gauge	**AWG 20…AWG 14**
Cable entry	**Cable gland 9…13 mm**
Contacts type and composition	**1 C/O**
Terminal block type	**4 terminals**
[Ui] rated insulation voltage (UL 508)	**300 V**
[Ui] rated insulation voltage (EN/IEC)	**500 V**
[Uimp] rated impulse voltage	**6 kV**

Function	
Pressure switch type of operation	**Regulation between 2 thresholds**
Scale type	**Adjustable differential**

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Settings	
Adjustable range of switching point on rising pressure	**0.7…10 bar**
Adjustable range of switching point on falling pressure	**0.13…9.15 bar**
Possible differential maximum at high setting	**7.5 bar**
Possible differential minimum at low setting	**0.57 bar (+/- 0.05 bar)**
Possible differential minimum at high setting	**0.85 bar (- 0.1 bar, + 0.15 bar)**

Limits	
Maximum permissible accidental pressure	**22.5 bar**
Destruction pressure	**45 bar**
Maximum permissible pressure - per cycle	**12.5 bar**

Construction	
Pressure actuator	**Diaphragm**
Materials in contact with fluid	**Zinc alloy FPM, FKM**
Enclosure material	**Zinc alloy**

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