



Main

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|---|---|
| Range of product | Telemecanique Pressure sensors XM |
| Product or component type | Electromechanical pressure sensor |
| Pressure sensor type | Electromechanical pressure sensor |
| Device short name | XMLD |
| Pressure rating | 35 bar |
| Controlled fluid | Air (0...160 °C) Fresh water (0...160 °C) Hydraulic oil (0...160 °C) |
| Fluid connection type | G 1/4 (female) conforming to ISO 228 |
| Electrical connection | Screw-clamps terminals, 1 x 0.5...2 x 2.5 mm ² |
| AWG gauge | AWG 20...AWG 14 |
| Cable entry | Cable gland 9...13 mm |
| Contacts type and composition | 2 C/O snap action, silver contacts 2 C/O staggered, silver contacts |
| Product specific application | Dual stage |
| Pressure switch type of operation | Detection of 2 single thresholds |
| Electrical circuit type | Control circuit |
| Scale type | Fixed differential |
| Local display | Without |
| Maximum permissible accidental pressure | 80 bar |
| Destruction pressure | 160 bar |
| Pressure actuator | Diaphragm |
| Materials in contact with fluid | Brass FPM, FKM |
| Enclosure material | Zinc alloy |
| [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 |

Complementary

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| Spread between 2 stages | 2.5...20.4 bar |
| Natural differential at low setting | 1.5 bar |
| Natural differential at high setting | 2.6 bar |
| Maximum permissible pressure - per cycle | 45 bar |
| Terminal block type | 8 terminals |
| Maximum operating rate | 120 cyc/mn |
| Repeat accuracy | 2 % |
| [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 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to IEC 60947-1 |
| Maximum 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 | 5000000 cycles |

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| Setting | External |
| Height | 113 mm |
| Depth | 85 mm |
| Width | 46 mm |
| Net weight | 0.715 kg |

Environment

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|---------------------------------------|--|
| Standards | CE UL 508 CSA C22.2 No 14 IEC 60947-5-1 |
| Product certifications | CSA[RETURN]UL |
| Protective treatment | TC standard version |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -40...70 °C |
| Operating position | Any position |
| Vibration resistance | 4 gn conforming to IEC 60068-2-6 (f = 30...500 Hz) |
| 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 IEC 60529 |

Packing Units

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|------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 6 cm |
| Package 1 Width | 10.5 cm |
| Package 1 Length | 14 cm |
| Package 1 Weight | 1050 g |

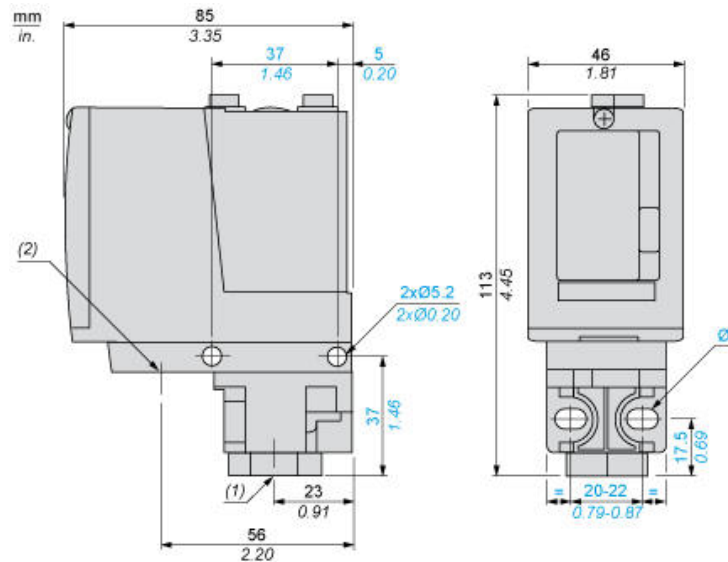
Offer Sustainability

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| 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 |
| For all Reach Rohs enquiries contact us at | sustainability@tesensors.com |

Contractual warranty

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|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

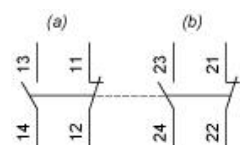
Dimensions



- (1) 1 fluid entry, tapped G1/4 (BSP female)
(2) 1 electrical connections entry, tapped Pg 13.5
Ø : 2 elongated holes Ø 5.2 x 6.7

Wiring Diagram

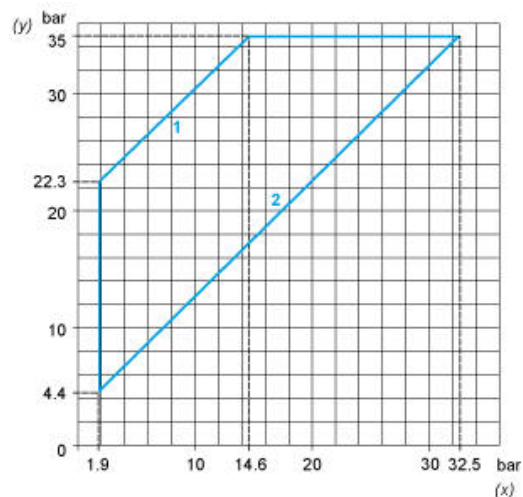
Terminal Model



- (a) Contact 1
(b) Contact 2

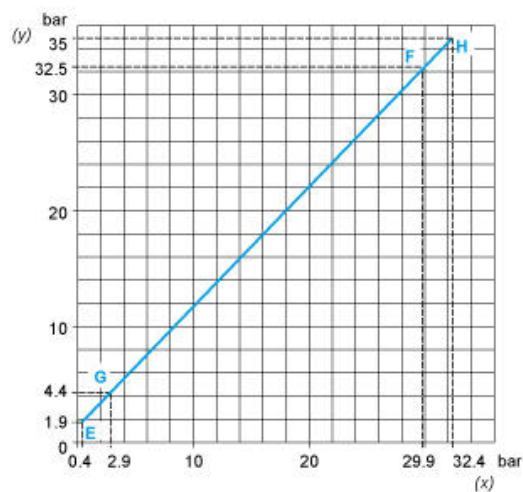
Operating Curves

High Setting Tripping Points of Contacts 1 and 2

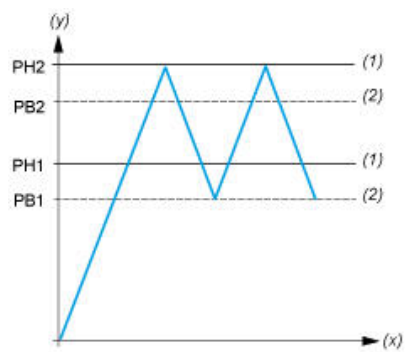


- (y) PH2 setting (rising pressure)
(x) PH1 setting (rising pressure)
1 : Maximum differential
2 : Minimum differential

Natural Differential of Contacts 1 and 2



- (y) Rising pressure
(x) Falling pressure
EF : Contact 1
GH : Contact 2



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