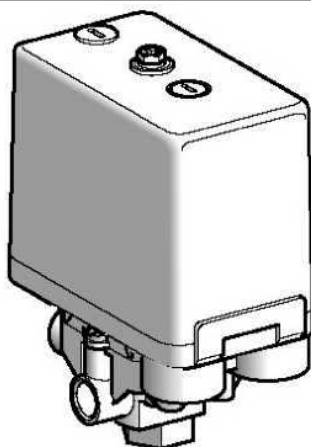


# XMAH25L2435

pressure switch XMA 25 bar - adjustable scale  
2 thresholds - 1 C/O



## Main

|                                                               |                                                                                                     |
|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Range of product                                              | OsiSense XM                                                                                         |
| Pressure sensor type                                          | Electromechanical pressure sensor                                                                   |
| Pressure sensor name                                          | XMA                                                                                                 |
| Pressure sensor size                                          | 25 bar                                                                                              |
| Contacts type and com-<br>position                            | 1 C/O snap action                                                                                   |
| Controlled fluid                                              | Air (0...70 °C)<br>Fresh water (0...70 °C)<br>Sea water (0...70 °C)                                 |
| Fluid connection type                                         | 4 x G 1/4 (female) conforming to ISO 228                                                            |
| Cable entry                                                   | 2 entries tapped for Pg 13.5 cable gland conforming to NF C 68-300                                  |
| Electrical connection                                         | Screw-clamp terminals, clamping capacity: 1 x 1...2 x 2.5 mm <sup>2</sup>                           |
| Electrical circuit type                                       | Control circuit                                                                                     |
| [In] rated current                                            | 3 A (Ue = 120 V), AC-15, B300<br>1.5 A (Ue = 240 V), AC-15, B300<br>0.1 A (Ue = 250 V), DC-13, R300 |
| Setting                                                       | External                                                                                            |
| Colour of cover                                               | Black opaque                                                                                        |
| Pressure switch type of<br>operation                          | Regulation between 2 thresholds                                                                     |
| Scale type                                                    | Fixed differential                                                                                  |
| Local display                                                 | Without                                                                                             |
| Enclosure material                                            | PC impregnated with Lexan 500R                                                                      |
| Adjustable range of<br>switching point on rising<br>pressure  | 3.5...25 bar                                                                                        |
| Adjustable range of<br>switching point on falling<br>pressure | 0.1...20.5 bar                                                                                      |
| Pressure actuator                                             | Diaphragm                                                                                           |
| Possible differential<br>minimum at high setting              | 4.5 bar                                                                                             |
| Possible differential<br>minimum at low setting               | 3.4 bar                                                                                             |
| Destruction pressure                                          | 100 bar                                                                                             |
| Materials in contact<br>with fluid                            | Canvas covered nitrile<br>Chromated zinc alloy                                                      |
| Maximum permissible<br>accidental pressure                    | 56.25 bar                                                                                           |

## Complementary

|                                          |                                  |
|------------------------------------------|----------------------------------|
| Height                                   | 133 mm                           |
| Width                                    | 57 mm                            |
| Depth                                    | 97.5 mm                          |
| Operating position                       | Any position                     |
| Maximum permissible pressure - per cycle | 31.25 bar                        |
| Short circuit protection                 | 10 A cartridge fuse type gG (gl) |
| Operating rate                           | 10 cyc/mn                        |

|                                        |                                                          |
|----------------------------------------|----------------------------------------------------------|
| [Ui] rated insulation voltage          | 500 V conforming to EN/IEC 60947-1                       |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to EN/IEC 60947-1                        |
| Electrical durability                  | 1000000 cycles, 50/60 Hz, AC-15, 240 V / 3 A, lth = 10 A |
| Mechanical durability                  | 1000000 cycles                                           |
| Repeat accuracy                        | < 3.5 %                                                  |
| Product weight                         | 0.65 kg                                                  |

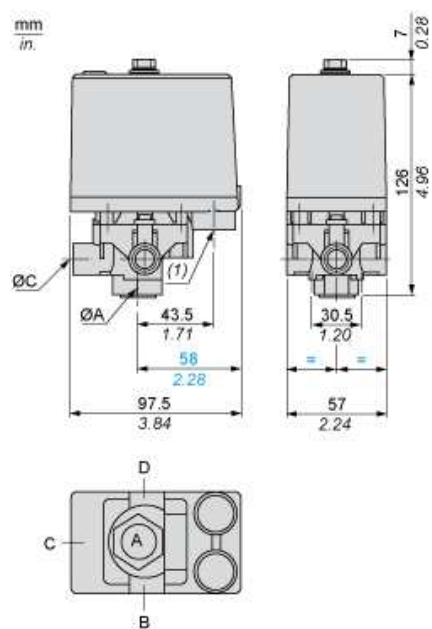
## Environment

|                                            |                                 |
|--------------------------------------------|---------------------------------|
| Standards                                  | CE<br>EN/IEC 60947-5-1          |
| Product certifications                     | CCC<br>CSA<br>UL                |
| Ambient air temperature for operation      | -25...70 °C                     |
| Ambient air temperature for storage        | -40...70 °C                     |
| Protective treatment                       | TC                              |
| Class of protection against electric shock | Class I conforming to IEC 536   |
| IP degree of protection                    | IP54 conforming to EN/IEC 60529 |

## Offer Sustainability

|                                  |                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                                 |
| RoHS (date code: YYWW)           | Compliant - since 0627 - <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold                                     |
| Product end of life instructions | Need no specific recycling operations                                                 |

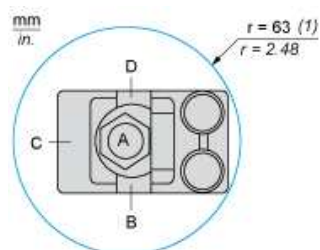
## Dimensions



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Minimum Mounting Clearance

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(ØA G 1/4 (female)

=

ØB =

ØC =

ØD)

(1) Minimum clearance zone for screwing-on pressure switch at point A

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## Wiring Diagram

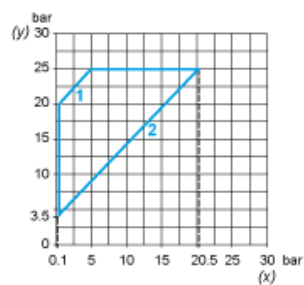
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### Connections

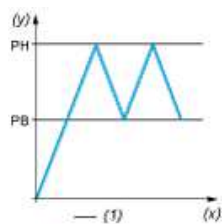


## Curves

### Operating Curves



- (y) Rising pressure
- (x) Falling pressure
- 1 : Maximum differential
- 2 : Minimum differential



- (y) Pressure
- (x) Time
- (1) Adjustable value