

# ACW25M119012

Pressure sensors XM, pressure switch ACW  
5.2 bar, adjustable scale 2 thresholds, 2CO



## Main

|                                                         |                                        |
|---------------------------------------------------------|----------------------------------------|
| Range of product                                        | Telemecanique Pressure sensors XM      |
| Pressure sensor name                                    | ACW                                    |
| Pressure sensor type                                    | Electromechanical pressure sensor      |
| Product specific application                            | For regulation between 2 thresholds    |
| Scale type                                              | Adjustable differential                |
| Contacts type and composition                           | 2 C/O simultaneous, snap action        |
| Cable entry                                             | 1 entry tapped for ISO M20 cable gland |
| Fluid connection type                                   | G 1/4 (female) conforming to ISO 228   |
| Materials in contact with fluid                         | Phosphor bronze                        |
| Pressure rating                                         | 5.2 bar                                |
| Adjustable range of switching point on falling pressure | 0.07...5.2 bar                         |
| Adjustable range of switching point on rising pressure  | 0.48...6.6 bar                         |
| Pressure actuator                                       | Bellows                                |
| Electrical circuit type                                 | Control circuit                        |

## Complementary

|                                               |                                                                                          |
|-----------------------------------------------|------------------------------------------------------------------------------------------|
| Electrical connection                         | Screw-clamp terminals, clamping capacity: 1 x 1...2 x 2.5 mm <sup>2</sup>                |
| Controlled fluid                              | Air (-73...125 °C)<br>Hydraulic oil (-73...125 °C)<br>Non-corrosive fluid (-73...125 °C) |
| Short-circuit protection                      | 10 A cartridge fuse, type gG                                                             |
| Enclosure material                            | Zinc alloy                                                                               |
| Possible differential minimum at low setting  | 0.41 bar                                                                                 |
| Possible differential minimum at high setting | 0.41 bar                                                                                 |
| Possible differential maximum at low setting  | 1.4 bar                                                                                  |
| Possible differential maximum at high setting | 1.4 bar                                                                                  |
| Maximum permissible pressure - per cycle      | 7 bar                                                                                    |
| Mechanical durability                         | 1000000 cycles                                                                           |
| Setting                                       | External                                                                                 |
| Local display                                 | Without                                                                                  |
| Terminals description ISO n°1                 | (3-4)NO<br>(1-2)NC                                                                       |
| Width                                         | 88 mm                                                                                    |
| Height                                        | 167 mm                                                                                   |
| Depth                                         | 68 mm                                                                                    |
| Net weight                                    | 1.55 kg                                                                                  |

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## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Protective treatment                  | TC                           |
| Standards                             | CE<br>IEC 60947-5-1          |
| Product certifications                | UL recognized[RETURN]CSA     |
| IP degree of protection               | IP65 conforming to IEC 60529 |
| Ambient air temperature for operation | -56...85 °C                  |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 7.5 cm   |
| Package 1 Width              | 10.0 cm  |
| Package 1 Length             | 20.5 cm  |
| Package 1 Weight             | 1.542 kg |

## 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| For all Reach Rohs enquiries contact us at | <a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>                                                                                                                                                                                                                                                                                                    |