



## Main

|                                                         |                                                                                                   |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Range of product                                        | OsiSense 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                           | 1 C/O, snap action                                                                                |
| Cable entry                                             | 1 entry tapped for Pg 13.5 cable gland, cable outer diameter: 9...13 mm conforming to NF C 68-300 |
| Fluid connection type                                   | G 1/4 (female) conforming to ISO 228                                                              |
| Materials in contact with fluid                         | Phosphor bronze                                                                                   |
| Pressure sensor size                                    | 0.7 bar                                                                                           |
| Adjustable range of switching point on falling pressure | 0.07...0.7 bar                                                                                    |
| Adjustable range of switching point on rising pressure  | 0.11...1.04 bar                                                                                   |
| Pressure actuator                                       | Bellows                                                                                           |
| Electrical circuit type                                 | Control circuit                                                                                   |

## Complementary

|                                               |                                                                                          |
|-----------------------------------------------|------------------------------------------------------------------------------------------|
| Electrical connection                         | Screw-clamp terminals, 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 by gG cartridge fuse                                                                |
| Enclosure material                            | Zinc alloy                                                                               |
| Possible differential minimum at low setting  | 0.04 bar                                                                                 |
| Possible differential minimum at high setting | 0.04 bar                                                                                 |
| Possible differential maximum at low setting  | 0.34 bar                                                                                 |
| Possible differential maximum at high setting | 0.34 bar                                                                                 |
| Maximum permissible pressure - per cycle      | 2 bar                                                                                    |
| Mechanical durability                         | 1000000 cycles                                                                           |
| Setting                                       | External                                                                                 |
| Local display                                 | Without                                                                                  |
| Terminals description ISO n°1                 | (1-2)NC<br>(3-4)NO                                                                       |
| Width                                         | 88 mm                                                                                    |
| Height                                        | 190 mm                                                                                   |
| Depth                                         | 68 mm                                                                                    |
| Product weight                                | 1.75 kg                                                                                  |

## Environment

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

## Offer Sustainability

|                          |                           |
|--------------------------|---------------------------|
| Sustainable offer status | Not Green Premium product |
| RoHS (date code: YYWW)   | Will not be Compliant     |