

# XS130BHPBM12

## INDUCTIVE SENSOR CYLIND DIA 30 PNP

### NC 1224V FLUSH SN 15MM CONN M12



#### Main

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| Range of product              | OsiSense XS                                          |
| Series name                   | General purpose                                      |
| Sensor type                   | Inductive proximity sensor                           |
| Sensor name                   | XS1                                                  |
| Sensor design                 | Cylindrical M30                                      |
| Body type                     | Fixed                                                |
| Enclosure material            | Nickel plated brass                                  |
| Type of output signal         | Discrete                                             |
| Wiring technique              | 3-wire                                               |
| [Sn] nominal sensing distance | 15 mm                                                |
| Discrete output function      | 1 NC                                                 |
| Discrete output type          | PNP                                                  |
| Electrical connection         | Male connector M12, 4 pins                           |
| [Us] rated supply voltage     | 12...24 V DC with reverse polarity protection        |
| Switching capacity in mA      | <= 200 mA with overload and short-circuit protection |
| IP degree of protection       | IP67 conforming to IEC 60529                         |

#### Complementary

|                                    |                              |
|------------------------------------|------------------------------|
| ISO thread                         | M30 x 1.5                    |
| Detection face                     | Frontal                      |
| Detector flush mounting acceptance | Flush mountable              |
| Material                           | Metal                        |
| Front material                     | PBT                          |
| Operating zone                     | 0...12 mm                    |
| Differential travel                | 1...15% of Sr                |
| Output circuit type                | DC                           |
| Status LED                         | Output state: 1 LED (yellow) |
| Supply voltage limits              | 10...36 V DC                 |
| Switching frequency                | <= 200 Hz                    |
| Maximum voltage drop               | <2 V (closed)                |
| Current consumption                | <= 10 mA no-load             |
| Maximum delay first up             | 15 ms                        |
| Maximum delay response             | 0.6 ms                       |
| Maximum delay recovery             | 4 ms                         |
| Marking                            | CE                           |
| Threaded length                    | 47 mm                        |
| Height                             | 30 mm                        |
| Length                             | 68 mm                        |
| Net weight                         | 0.075 kg                     |

## Environment

|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| Product certifications                | CSA<br>UL                                                               |
| Ambient air temperature for operation | -25...70 °C                                                             |
| Ambient air temperature for storage   | -40...85 °C                                                             |
| Vibration resistance                  | 25 gn amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6 |
| Shock resistance                      | 50 gn for 11 ms conforming to IEC 60068-2-27                            |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Weight             | 166 g    |
| Package 1 Height             | 4 cm     |
| Package 1 width              | 4 cm     |
| Package 1 Length             | 7 cm     |
| Unit Type of Package 2       | BAG      |
| Number of Units in Package 2 | 1        |
| Package 2 Weight             | 75 g     |
| Package 2 Height             | 2 cm     |
| Package 2 width              | 15 cm    |
| Package 2 Length             | 28 cm    |
| Unit Type of Package 3       | S02      |
| Number of Units in Package 3 | 48       |
| Package 3 Weight             | 8.598 kg |
| Package 3 Height             | 15 cm    |
| Package 3 width              | 30 cm    |
| Package 3 Length             | 40 cm    |

## Offer Sustainability

|                            |                                                                                                                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                |
| REACH Regulation           |  <a href="#">REACH Declaration</a>                                                                |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a> |
| Mercury free               | Yes                                                                                                                                                                                  |
| RoHS exemption information |  <a href="#">Yes</a>                                                                              |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a>                                                    |
| Circularity Profile        |  <a href="#">End of Life Information</a>                                                          |