



## Main

|                                    |                                                                                               |
|------------------------------------|-----------------------------------------------------------------------------------------------|
| Range of product                   | OsiSense XS                                                                                   |
| Series name                        | General purpose                                                                               |
| Sensor type                        | Inductive proximity sensor                                                                    |
| Device application                 | -                                                                                             |
| Sensor name                        | XS9                                                                                           |
| Sensor design                      | Form 40 x 40 x 117                                                                            |
| Size                               | 117 mm                                                                                        |
| Body type                          | Fixed                                                                                         |
| Detector flush mounting acceptance | Non flush mountable                                                                           |
| Material                           | Plastic                                                                                       |
| Enclosure material                 | PBT                                                                                           |
| Type of output signal              | Analogue                                                                                      |
| Wiring technique                   | 2-wire                                                                                        |
| [Sn] nominal sensing distance      | 25 mm                                                                                         |
| Output circuit type                | DC                                                                                            |
| Analogue output range              | 4...20 mA                                                                                     |
| Electrical connection              | Screw-clamp terminals, clamping capacity: 4 x 1.5 mm <sup>2</sup>                             |
| [Us] rated supply voltage          | 12...24 V DC with reverse polarity protection                                                 |
| IP degree of protection            | IP65 conforming to IEC 60529<br>IP67 conforming to IEC 60529<br>IP69K conforming to DIN 40050 |

## Complementary

|                     |                         |
|---------------------|-------------------------|
| Detection face      | 5 positions turret head |
| Front material      | PBT                     |
| Operating zone      | 2...27 mm               |
| Differential travel | 3...15% of Sr           |
| Linearity error     | <= 3% of Sr             |

|                       |                                         |
|-----------------------|-----------------------------------------|
| Output current drift  | <= 5 %                                  |
| Cable entry number    | 1 tapped entry for 1/2" NPT cable gland |
| Status LED            | 1 LED yellow for output state           |
| Supply voltage limits | 12...36 V DC                            |
| Current consumption   | 0...4 mA at no-load                     |
| Delay first up        | <= 7.5 ms                               |
| Delay response        | <= 6 ms                                 |
| Delay recovery        | <= 6 ms                                 |
| Marking               | CE                                      |
| Height                | 40 mm                                   |
| Length                | 40 mm                                   |
| Width                 | 117 mm                                  |
| Product weight        | 0.244 kg                                |

## Environment

|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| Product certifications                | CCC<br>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 EN 60068-2-27                             |

## Offer Sustainability

|                                  |                                                                                                                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                                                                                                                                                                     |
| RoHS (date code: YYWW)           | Compliant - since 1213 - Schneider Electric declaration of conformity<br><a href="#"> Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold<br><a href="#">Reference not containing SVHC above the threshold</a>                                                                                                    |
| Product environmental profile    | Available<br><a href="#"> Product Environmental Profile</a>                                                                            |
| Product end of life instructions | Need no specific recycling operations                                                                                                                                                                                     |

## Contractual warranty

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