



## Main

|                                    |   |
|------------------------------------|---|
| Range of product                   | OsiSense XS   |
| Series name                        | General purpose   |
| Sensor type                        | Inductive proximity sensor  |
| Device application                 | Mobile equipment  |
| Sensor name                        | XS8   |
| Sensor design                      | Form 40 x 40 x 117  |
| Size                               | 117 mm  |
| Body type                          | Fixed   |
| Detector flush mounting acceptance | Flush mountable   |
| Material                           | Plastic   |
| Enclosure material                 | PBT   |
| Type of output signal              | Discrete  |
| Wiring technique                   | 4-wire  |
| [Sn] nominal sensing distance      | 20 mm   |
| Discrete output function           | 1 NO + 1 NC   |
| Output circuit type                | DC  |
| Discrete output type               | NPN   |
| Electrical connection              | Screw-clamp terminals, clamping capacity: 4 x 1.5 mm <sup>2</sup>                             |
| [Us] rated supply voltage          | 12...48 V DC with reverse polarity protection   |
| Switching capacity in mA           | <= 200 mA with overload and short-circuit 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 | 0...16 mm               |

|                       |  |
|-----------------------|--|
| Differential travel   | 3...15% of Sr  |
| Repeat accuracy       | <= 3% of Sr  |
| Cable entry number    | 1 tapped entry for Pg 13.5 cable gland                     |
| Status LED            | 1 LED green for supply on<br>1 LED yellow for output state |
| Supply voltage limits | 10...58 V DC   |
| Switching frequency   | <= 300 Hz  |
| Voltage drop          | <= 2 V at closed state                                     |
| Current consumption   | 0...15 mA at no-load                                       |
| Delay first up        | <= 7.5 ms  |
| Delay response        | <= 1.2 ms  |
| Delay recovery        | <= 1.8 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<br>E2  |
| 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 |
|-----------------|-----------|