



## Main

|                                    |                                                                                 |
|------------------------------------|---------------------------------------------------------------------------------|
| Range of product                   | OsiSense XS                                                                     |
| Series name                        | General purpose                                                                 |
| Sensor type                        | Inductive proximity sensor                                                      |
| Device application                 | Mobile equipment                                                                |
| Sensor name                        | XS6                                                                             |
| Sensor design                      | Cylindrical M18                                                                 |
| Size                               | 62 mm                                                                           |
| Body type                          | Fixed                                                                           |
| Detector flush mounting acceptance | Flush mountable                                                                 |
| Material                           | Metal                                                                           |
| Type of output signal              | Discrete                                                                        |
| Wiring technique                   | 3-wire                                                                          |
| [Sn] nominal sensing distance      | 0.31 in (8 mm)                                                                  |
| Discrete output function           | 1 NC                                                                            |
| Output circuit type                | DC                                                                              |
| Discrete output type               | PNP                                                                             |
| Electrical connection              | Remote male connector screw-clamp terminals                                     |
| Cable length                       | 0.49 ft (0.15 m)                                                                |
| [Us] rated supply voltage          | 12...48 V DC with reverse polarity protection                                   |
| Switching capacity in mA           | <= 200 mA DC with overload and short-circuit protection                         |
| IP degree of protection            | IP68 double insulation conforming to IEC 60529<br>IP69K conforming to DIN 40050 |

## Complementary

|                          |                             |
|--------------------------|-----------------------------|
| Thread type              | M18 x 1                     |
| Detection face           | Frontal                     |
| Front material           | PPS                         |
| Enclosure material       | Nickel plated brass         |
| Operating zone           | 0...0.25 in (0...6.4 mm)    |
| Differential travel      | 1...15% of Sr               |
| Cable composition        | 3 x 0.34 mm <sup>2</sup>    |
| Wire insulation material | PvR                         |
| Status LED               | 1 LED (yellow) output state |
| Supply voltage limits    | 10...58 V DC                |
| Switching frequency      | <= 1000 Hz DC               |
| Voltage drop             | <= 2 V, closed state        |
| Current consumption      | <= 10 mA (no-load)          |
| Delay first up           | <= 10 ms                    |
| Delay response           | <= 0.3 ms                   |
| Delay recovery           | <= 0.7 ms                   |
| Marking                  | CE                          |
| Threaded length          | 2.05 in (52 mm)             |
| Length                   | 2.44 in (62 mm)             |
| Product weight           | 0.33 lb(US) (0.15 kg)       |

## Environment

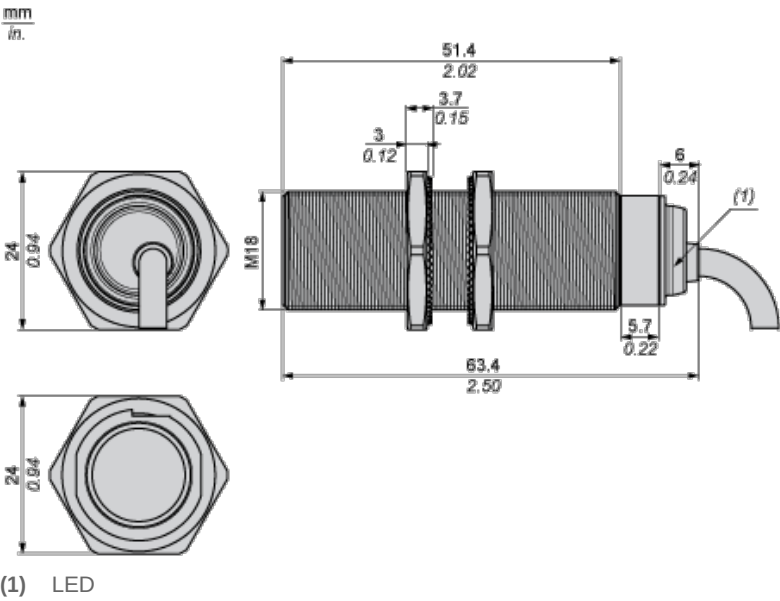
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|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| product certifications                | E2                                                                      |
| ambient air temperature for operation | -13...158 °F (-25...70 °C)                                              |
| ambient air temperature for storage   | -40...185 °F (-40...85 °C)                                              |
| vibration resistance                  | 25 gn, amplitude: +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6 |
| shock resistance                      | 50 gn (duration = 11 ms) conforming to IEC 60068-2-27                   |

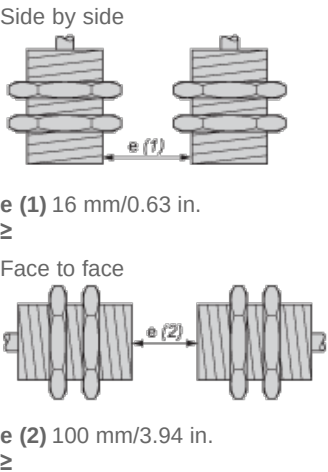
Offer Sustainability

|                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Not Green Premium product                                                                                                  | Not Green Premium product                                                                                                  |
| Compliant - since 1136 - Schneider Electric declaration of conformity                                                      | Compliant - since 1136 - Schneider Electric declaration of conformity                                                      |
| Available                                                                                                                  | Available                                                                                                                  |
| Available                                                                                                                  | Available                                                                                                                  |
| WARNING: This product can expose you to chemicals including:                                                               | WARNING: This product can expose you to chemicals including:                                                               |
| Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and                                | 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. | 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 more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              |

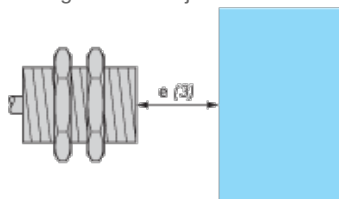
Dimensions



Minimum Mounting Distances



Facing a metal object



e (3) 25 mm/0.98 in  
≧

## Wiring Schemes

### Screw Terminal

The terminal numbering differs according to the version (2-wire DC, 3-wire DC, 2-wire AC).

