

# XS7J1A1PAL01M8

Inductive proximity sensors XS, inductive sensor XS7 8x22x8, PBT, Sn2.5 mm, 12...24 VDC, M8 0.15 m



## Main

|                                    |                                                         |
|------------------------------------|---------------------------------------------------------|
| Range of product                   | Telemecanique Inductive proximity sensors XS            |
| Series name                        | General purpose                                         |
| Sensor type                        | Inductive proximity sensor                              |
| Device application                 | -                                                       |
| Sensor name                        | XS7                                                     |
| Sensor design                      | Flat form 8 x 22 x 8                                    |
| Size                               | 8 mm                                                    |
| Body type                          | Fixed                                                   |
| Detector flush mounting acceptance | Flush mountable                                         |
| Material                           | Plastic                                                 |
| Enclosure material                 | PBT                                                     |
| Type of output signal              | Discrete                                                |
| Wiring technique                   | 3-wire                                                  |
| Discrete output function           | 1 NO                                                    |
| Output circuit type                | DC                                                      |
| Discrete output type               | PNP                                                     |
| Electrical connection              | Remote male connector M8, 3 pins                        |
| Cable length                       | 0.15 m                                                  |
| [Us] rated supply voltage          | 12...24 V DC with reverse polarity protection           |
| Switching capacity in mA           | <= 100 mA DC with overload and short-circuit protection |
| IP degree of protection            | IP67 conforming to IEC 60529                            |

## Complementary

|                          |                              |
|--------------------------|------------------------------|
| Detection face           | Frontal                      |
| Front material           | PBT                          |
| Operating zone           | 0...2 mm                     |
| Differential travel      | 1...15% of Sr                |
| Wire insulation material | PVC                          |
| Status LED               | Output state: 1 LED (yellow) |
| Supply voltage limits    | 10...36 V DC                 |
| Switching frequency      | <= 2000 Hz                   |
| Maximum voltage drop     | <2 V (closed)                |
| Current consumption      | <= 10 mA no-load             |
| Maximum delay first up   | 5 ms                         |
| Maximum delay response   | 0.1 ms                       |
| Maximum delay recovery   | 0.1 ms                       |
| Marking                  | CE                           |
| Depth                    | 8 mm                         |
| Height                   | 22 mm                        |
| Width                    | 8 mm                         |
| Net weight               | 0.04 kg                      |

## Environment

|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| Product certifications                | C-Tick                                                                  |
| 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 Height             | 4.2 cm  |
| Package 1 Width              | 9.5 cm  |
| Package 1 Length             | 6.6 cm  |
| Package 1 Weight             | 25.0 g  |
| Unit Type of Package 2       | S02     |
| Number of Units in Package 2 | 22      |
| Package 2 Height             | 15 cm   |
| Package 2 Width              | 30 cm   |
| Package 2 Length             | 40 cm   |
| Package 2 Weight             | 924.0 g |
| Unit Type of Package 3       | P06     |
| Number of Units in Package 3 | 352     |
| Package 3 Height             | 75 cm   |
| Package 3 Width              | 60 cm   |
| Package 3 Length             | 80 cm   |
| Package 3 Weight             | 22.4 kg |

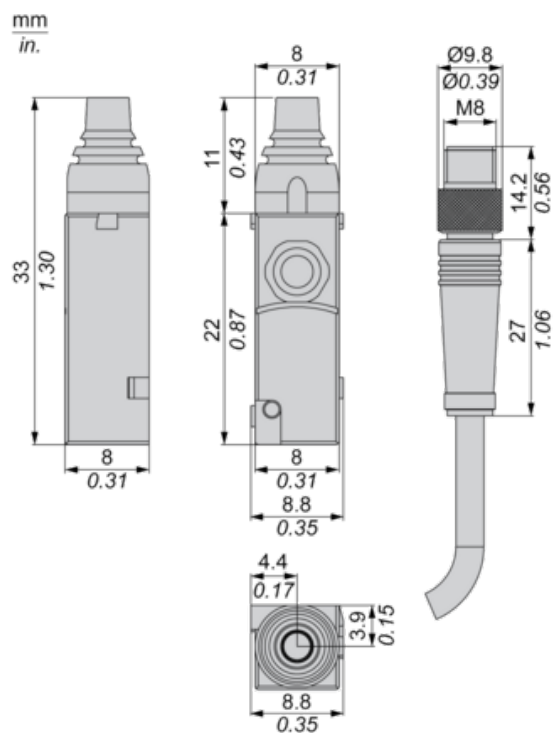
## Offer Sustainability

|                                            |                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status                   | Green Premium product                                                                                                                                                                                                                                                                                                                                                            |
| Circularity Profile                        | No need of specific recycling operations                                                                                                                                                                                                                                                                                                                                         |
| California proposition 65                  | WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Diisodecyl 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 all Reach Rohs enquiries contact us at | <a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>                                                                                                                                                                                                                                                                                                   |

## Contractual warranty

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

Dimensions



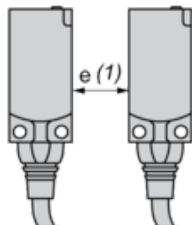
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Setting-up

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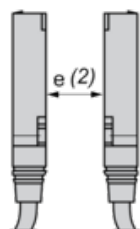
Minimum Mounting Distances (mm)

Side by Side



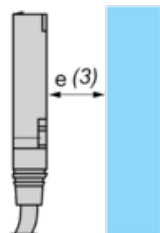
$$e(1) \geq 7.5$$

Face to Face



$$e(2) \geq 20$$

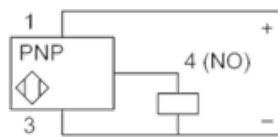
Facing a Metal Object



$$e(3) \geq 7.5$$

## Wiring Schemes

### PNP



### M8

