

# XS7D1A1PAM12DIN

Inductive proximity sensors XS, inductive sensor XS7 80x80x26, PBT, Sn40mm, 12...24 VDC, M12



## 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 80 x 80 x 26                                  |
| Size                               | 40 mm                                                   |
| Body type                          | Fixed clippable onto DIN rail                           |
| 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              | Male connector M12, 4 pins                              |
| [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 double insulation conforming to IEC 60529          |

## Complementary

|                        |                              |
|------------------------|------------------------------|
| Detection face         | Frontal                      |
| Front material         | PBT                          |
| Operating zone         | 0...32 mm                    |
| Differential travel    | 1...15% of Sr                |
| Status LED             | Output state: 1 LED (yellow) |
| Supply voltage limits  | 10...36 V DC                 |
| Switching frequency    | <= 100 Hz                    |
| Maximum voltage drop   | <2 V (closed)                |
| Current consumption    | <= 10 mA no-load             |
| Maximum delay first up | 30 ms                        |
| Maximum delay response | 5 ms                         |
| Maximum delay recovery | 35 ms                        |
| Marking                | CE                           |
| Depth                  | 40 mm                        |
| Height                 | 80 mm                        |
| Width                  | 80 mm                        |

## Environment

|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| Product certifications                | C-Tick[RETURN]CSA[RETURN]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 Height             | 4.2 cm  |
| Package 1 Width              | 9.6 cm  |
| Package 1 Length             | 13.2 cm |
| Package 1 Weight             | 384 g   |

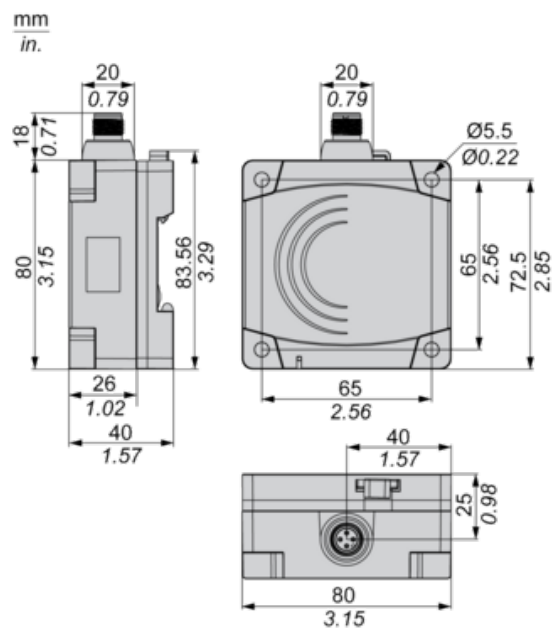
## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                                                                                                                             |
| 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>                                                                                                                                                                                                                                                                             |
| 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 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> |

## Contractual warranty

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

## Dimensions



(1) Cable gland : M9.5 x 1

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## Setting-up

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### Minimum Mounting Distances (mm)

Side by Side



$$e (1) \geq 120$$

Face to Face



$$e (2) \geq 300$$

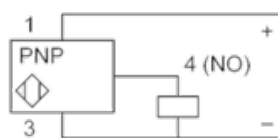
Facing a Metal Object



$$e (3) \geq 120$$

## Wiring Schemes

### PNP



### M12

