

# XS8D1A1MAU20DIN

Inductive proximity sensors XS, inductive sensor XS8 80x80x26, PBT, Sn60mm, 24...240VAC/DC, 1/2"



## Main

|                                    |                                                    |
|------------------------------------|----------------------------------------------------|
| Range of product                   | Telemecanique Inductive proximity sensors XS       |
| Series name                        | General purpose                                    |
| Sensor type                        | Inductive proximity sensor                         |
| Device application                 | -                                                  |
| Sensor name                        | XS8                                                |
| Sensor design                      | Flat form 80 x 80 x 26                             |
| Size                               | 40 mm                                              |
| Body type                          | Fixed clippable onto DIN rail                      |
| Detector flush mounting acceptance | Non flush mountable                                |
| Material                           | Plastic                                            |
| Enclosure material                 | PBT                                                |
| Type of output signal              | Discrete                                           |
| Wiring technique                   | 2-wire                                             |
| [Sn] nominal sensing distance      | 40 Mm flush mountable<br>60 mm non flush mountable |
| Discrete output function           | 1 NO                                               |
| Output circuit type                | AC/DC                                              |
| Electrical connection              | Male connector 1/2"20 UNF, 3 pins                  |
| [Us] rated supply voltage          | 24...240 V AC/DC 50/60 Hz                          |
| Switching capacity in mA           | 5...200 mA DC<br>5...300 mA AC                     |
| IP degree of protection            | IP67 double insulation conforming to IEC 60529     |

## Complementary

|                          |                                                              |
|--------------------------|--------------------------------------------------------------|
| Detection face           | Frontal                                                      |
| Front material           | PBT                                                          |
| Fine adjustment zone     | 20...40 Mm flush mountable<br>20...60 mm non flush mountable |
| Differential travel      | 1...15% of Sr                                                |
| Supply voltage limits    | 20...264 V AC/DC                                             |
| Maximum residual current | 1.5 mA open state                                            |
| Switching frequency      | <= 150 Hz                                                    |
| Maximum voltage drop     | <5.5 V (closed)                                              |
| Current consumption      | <= 10 mA no-load                                             |
| Maximum delay first up   | 15 ms                                                        |
| Maximum delay response   | 0.3 ms                                                       |
| Maximum delay recovery   | 6 ms                                                         |
| Marking                  | CE                                                           |
| Depth                    | 40 mm                                                        |
| Height                   | 80 mm                                                        |
| Width                    | 80 mm                                                        |

## Environment

|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| Product certifications                | CCC[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              | 9.5 cm   |
| Package 1 Length             | 13.0 cm  |
| Package 1 Weight             | 434.0 g  |
| Unit Type of Package 2       | S01      |
| Number of Units in Package 2 | 11       |
| Package 2 Height             | 15.0 cm  |
| Package 2 Width              | 15.0 cm  |
| Package 2 Length             | 40.0 cm  |
| Package 2 Weight             | 4.999 kg |

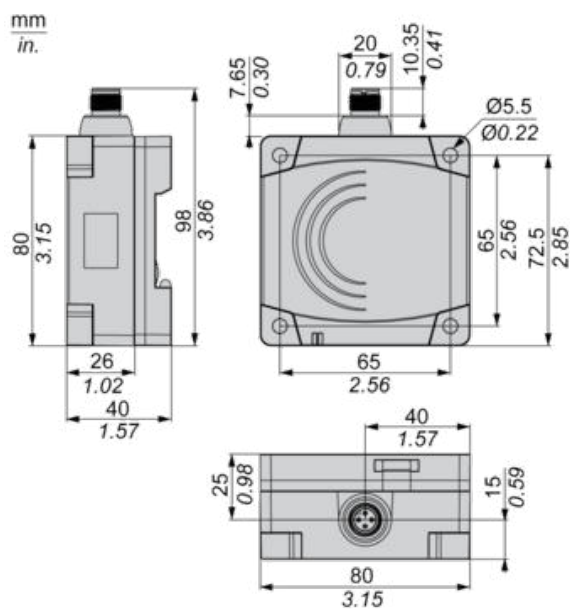
## Offer Sustainability

|                                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 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 all Reach Rohs enquiries contact us at | <a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>                                                                                                                                                                                                                                                                                                    |

## Contractual warranty

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

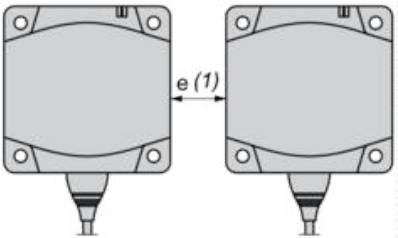
## Dimensions



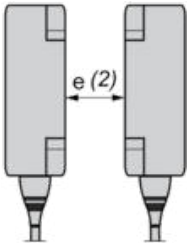
Setting-up

Minimum Mounting Distances (mm)

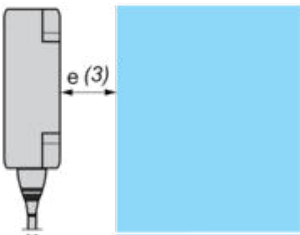
Side by Side



Face to Face



Facing a Metal Object



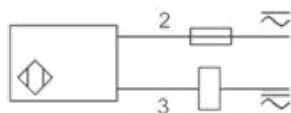
|                   | e (1) | e (2)           | e (3) |
|-------------------|-------|-----------------|-------|
| Flush mounted     | 200   | 400             | 40    |
| Not flush mounted | 600   | not recommended |       |

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## Wiring Schemes

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### 2-Wire NO Output



1/2"-20UNF

