

# XS8E1A1MAL01U20

Inductive proximity sensors XS, inductive sensor XS8 26x26x13, PBT, Sn15mm, 24...240VAC/DC, 1/2" 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                        | XS8  |
| Sensor design                      | Flat form 26 x 26 x 13                             |
| Size                               | 13 mm  |
| Body type                          | Fixed  |
| 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      | 10 Mm flush mountable<br>15 mm non flush mountable |
| Discrete output function           | 1 NO   |
| Output circuit type                | AC/DC  |
| Electrical connection              | Remote male connector 1/2"20 UNF, 3 pins           |
| Cable length                       | 0.15 m   |
| [Us] rated supply voltage          | 24...240 V AC/DC 50/60 Hz                          |
| Switching capacity in mA           | 5...200 mA AC/DC                                   |
| IP degree of protection            | IP67 double insulation conforming to IEC 60529     |

## Complementary

|                          |  |
|--------------------------|--|
| Detection face           | Frontal  |
| Front material           | PBT  |
| Fine adjustment zone     | 5...10 Mm flush mountable<br>5...15 mm non flush mountable |
| Differential travel      | 1...15% of Sr  |
| Wire insulation material | PVC  |
| Supply voltage limits    | 20...264 V AC/DC   |
| Maximum residual current | 1.5 mA open state  |
| Switching frequency      | <= 2000 Hz   |
| Maximum voltage drop     | <5.5 V (closed)  |
| Current consumption      | <= 10 mA no-load   |
| Maximum delay first up   | 10 ms  |
| Maximum delay response   | 0.3 ms   |
| Maximum delay recovery   | 0.8 ms   |
| Marking                  | CE   |
| Depth                    | 13 mm  |
| Height                   | 26 mm  |
| Width                    | 26 mm  |
| Net weight               | 0.04 kg  |

## Environment

|                                       |   |
|---------------------------------------|---|
| Product certifications                | CSA[RETURN]UL[RETURN]CCC[RETURN]Ecolab                                  |
| 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             | 4.000 cm |
| Package 1 Width              | 9.500 cm |
| Package 1 Length             | 6.600 cm |
| Package 1 Weight             | 54.000 g |
| Unit Type of Package 2       | S02      |
| Number of Units in Package 2 | 44       |
| Package 2 Height             | 15 cm    |
| Package 2 Width              | 30 cm    |
| Package 2 Length             | 40 cm    |
| Package 2 Weight             | 2.717 kg |

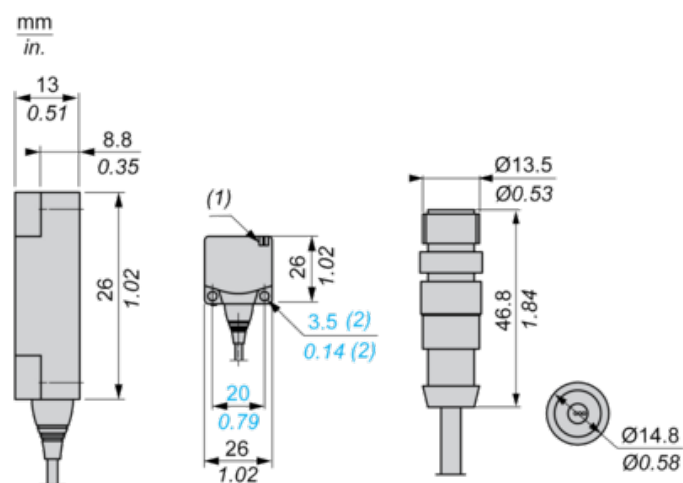
## Offer Sustainability

|  |   |
|--|---|
| 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



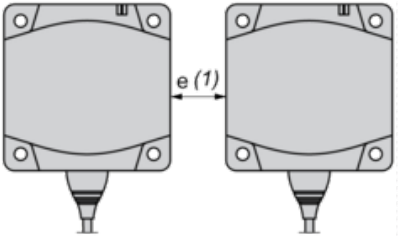
(1) LED

(2) For CHC type screws

Setting-up

Minimum Mounting Distances (mm)

Side by Side



Face to Face



Facing a Metal Object



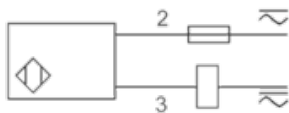
|                   | e (1) | e (2) | e (3) |
|-------------------|-------|-------|-------|
| Flush mounted     | 40    | 80    | 10    |
| Not flush mounted | 150   | 300   |       |

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## Wiring Schemes

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### 2-Wire NO Output



1/2"-20UNF

