

# XS7C2A1MAU20

Inductive proximity sensors XS, inductive sensor XS7 40x40x70, PBT, Sn15 mm, 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                        | XS7                                                                                           |
| Sensor design                      | Form 40 x 40 x 70                                                                             |
| Size                               | 70 mm                                                                                         |
| Body type                          | Fixed                                                                                         |
| Detector flush mounting acceptance | Flush mountable                                                                               |
| Material                           | Plastic                                                                                       |
| Enclosure Material                 | PBT                                                                                           |
| Type of output signal              | Discrete                                                                                      |
| Wiring Technique                   | 2-wire                                                                                        |
| [Sn] nominal sensing distance      | 0.59 in (15 mm)                                                                               |
| 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 50/60 Hz<br>24...240 V DC                                                       |
| Switching capacity in mA           | 5...200 mA DC<br>5...300 mA AC                                                                |
| IP degree of protection            | IP67 conforming to IEC 60529<br>IP65 conforming to IEC 60529<br>IP69K conforming to DIN 40050 |

## Complementary

|                          |                                                      |
|--------------------------|------------------------------------------------------|
| Detection face           | 5 positions turret head                              |
| Front material           | PBT                                                  |
| Operating zone           | 0.00...0.47 in (0...12 mm)                           |
| Differential travel      | 3...15% of Sr                                        |
| Repeat accuracy          | <= 3% of Sr                                          |
| Status LED               | Supply on 1 LED green)<br>Output state 1 LED yellow) |
| Supply voltage limits    | 20...264 V AC/DC                                     |
| Maximum residual current | 1.5 MA open state 120 V<br>0.6 mA open state 24 V    |
| Switching frequency      | <= 25 Hz AC<br><= 50 Hz DC                           |
| Maximum voltage drop     | <5.5 V closed)                                       |
| Maximum delay first up   | 7.5 ms                                               |
| Maximum delay response   | 1.2 ms                                               |
| Maximum delay recovery   | 1.8 ms                                               |
| Marking                  | CE                                                   |
| Height                   | 1.57 in (40 mm)                                      |
| Length                   | 1.57 in (40 mm)                                      |

|                |                        |
|----------------|------------------------|
| Width          | 2.76 in (70 mm)        |
| Product Weight | 0.33 lb(US) (0.149 kg) |

## Environment

|                                       |                                         |
|---------------------------------------|-----------------------------------------|
| Product Certifications                | CSA<br>CCC<br>UL                        |
| 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 +/- 2 mm 10...55 Hz)IEC 60068-2-6 |
| Shock resistance                      | 50 gn 11 msEN 60068-2-27                |

## Ordering and shipping details

|                   |                          |
|-------------------|--------------------------|
| Category          | 22486-SENSORS, PROXIMITY |
| Discount Schedule | DS2                      |
| GTIN              | 3389119057905            |
| Returnability     | No                       |
| Country of origin | ID                       |

## Packing Units

|                              |                            |
|------------------------------|----------------------------|
| Unit Type of Package 1       | PCE                        |
| Number of Units in Package 1 | 1                          |
| Package 1 Height             | 1.57 in (4.0 cm)           |
| Package 1 Width              | 1.65 in (4.2 cm)           |
| Package 1 Length             | 3.54 in (9.0 cm)           |
| Package 1 Weight             | 5.01 oz (142.0 g)          |
| Unit Type of Package 2       | S02                        |
| Number of Units in Package 2 | 42                         |
| Package 2 Height             | 5.91 in (15.0 cm)          |
| Package 2 Width              | 11.81 in (30.0 cm)         |
| Package 2 Length             | 15.75 in (40.0 cm)         |
| Package 2 Weight             | 14.15 lb(US) (6.419 kg)    |
| Unit Type of Package 3       | PAL                        |
| Number of Units in Package 3 | 672                        |
| Package 3 Height             | 23.62 in (60.0 cm)         |
| Package 3 Width              | 31.50 in (80.0 cm)         |
| Package 3 Length             | 264.57 in (672.0 cm)       |
| Package 3 Weight             | 245.93 lb(US) (111.552 kg) |

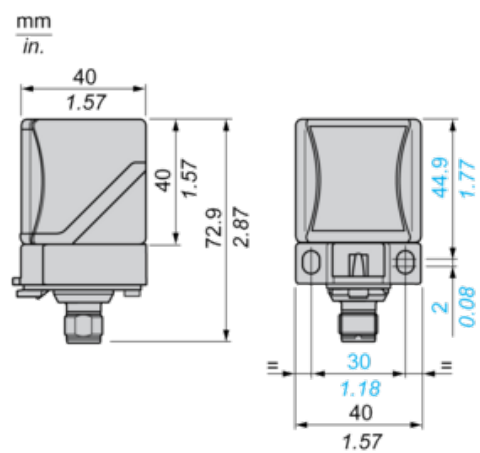
## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                                                                                                                             |
| 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> |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                                                                                                                 |
| 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>                                                                                                                                                                                                                                                                                                                                                               |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                                                                                                                                                                                                                                                                                     |

## Contractual warranty

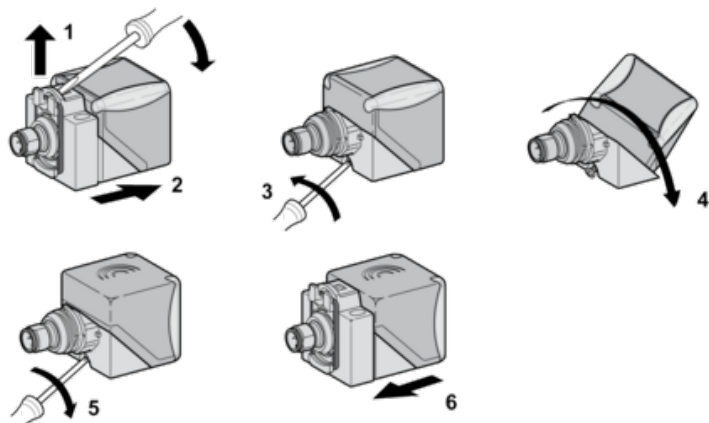
|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Dimensions



## Mounting

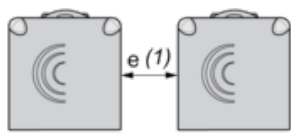
### Head Positions



### Setting-up Precautions

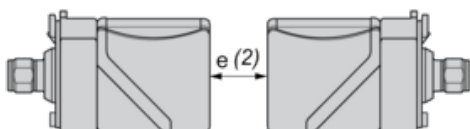
#### Minimum Mounting Distances (mm)

Side by Side



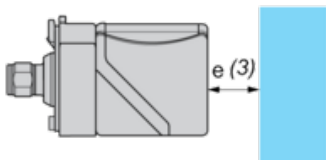
$$e (1) \geq 60$$

Face to Face



$$e (2) \geq 120$$

Facing a Metal Object



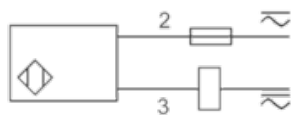
$$e (3) \geq 45$$

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## Wiring Schemes

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### 2-Wire NO Output



1/2"-20UNF

