

# XS7C4A1MPG13

inductive sensor XS7 40x40x117 - PBT - Sn15 mm - 24..240VAC/DC - terminals



## Main

|                                    |                                                                                               |
|------------------------------------|-----------------------------------------------------------------------------------------------|
| Range of product                   | OsiSense XS                                                                                   |
| Series name                        | General purpose                                                                               |
| Sensor type                        | Inductive proximity sensor                                                                    |
| Device application                 | -                                                                                             |
| Sensor name                        | XS7                                                                                           |
| Sensor design                      | Form 40 x 40 x 117                                                                            |
| Size                               | 117 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      | 15 mm                                                                                         |
| Discrete output function           | 1 NO or 1 NC programmable                                                                     |
| Output circuit type                | AC/DC                                                                                         |
| Electrical connection              | Screw-clamp terminals, 4 x 1.5 mm <sup>2</sup>                                                |
| [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...12 mm                                                |
| Differential travel      | 3...15% of Sr                                            |
| Repeat accuracy          | <= 3% of Sr                                              |
| Cable entry number       | 1 tapped entry for Pg 13.5 cable gland                   |
| 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                   | 40 mm                                                    |
| Length                   | 40 mm                                                    |

|            |          |
|------------|----------|
| Width      | 117 mm   |
| Net weight | 0.244 kg |

## Environment

|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| Product certifications                | UL<br>CSA<br>CCC                                                        |
| 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 EN 60068-2-27                             |

## Packing Units

|                              |            |
|------------------------------|------------|
| Unit Type of Package 1       | PCE        |
| Number of Units in Package 1 | 1          |
| Package 1 Weight             | 244 g      |
| Package 1 Height             | 4.5 cm     |
| Package 1 width              | 4.5 cm     |
| Package 1 Length             | 14.5 cm    |
| Unit Type of Package 2       | S02        |
| Number of Units in Package 2 | 28         |
| Package 2 Weight             | 7.272 kg   |
| Package 2 Height             | 15 cm      |
| Package 2 width              | 30 cm      |
| Package 2 Length             | 40 cm      |
| Unit Type of Package 3       | P06        |
| Number of Units in Package 3 | 448        |
| Package 3 Weight             | 125.092 kg |
| Package 3 Height             | 77 cm      |
| Package 3 width              | 80 cm      |
| Package 3 Length             | 60 cm      |

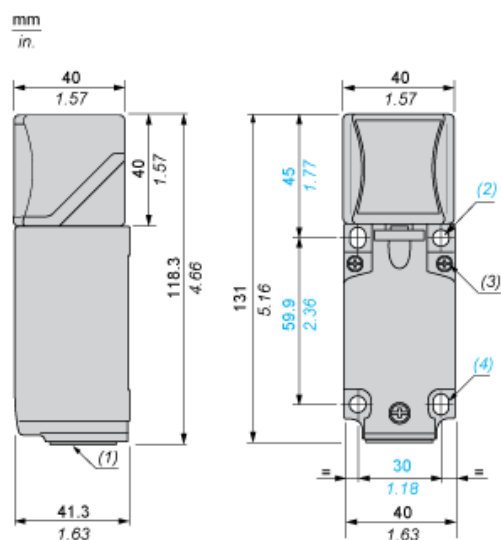
## Offer Sustainability

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

## Contractual warranty

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

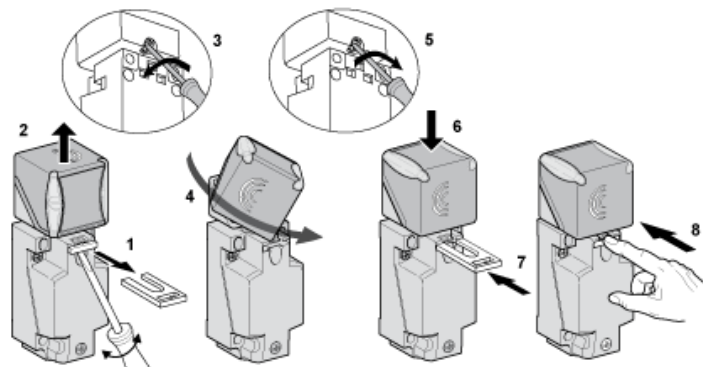
## Dimensions



- (1) : Pg 13.5 cable gland.  
 (2) : 2 holes Ø 5,45 mm / Ø 0.21 in. Tightening torque: < 1,5 Nm / < 13.3 lb-in.  
 (3) : 3 screws M3,5. Tightening torque: < 1,2 Nm / < 10.6 lb-in.  
 (4) : 2 elongated holes 5,4 x 7,4 mm / 0.21 x 0.29 in. Tightening torque: < 1,5 Nm / < 13.3 lb-in".

## Mounting

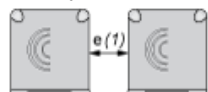
### Head Positions



### Setting-up Precautions

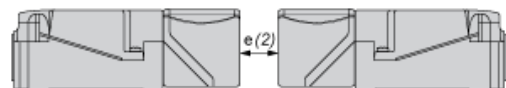
#### Minimum Mounting Distances (mm)

Side by Side



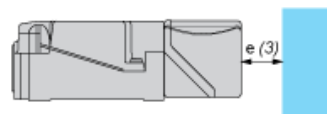
$e(1) \geq 60$

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 AC or DC (Programmable)

