

# XS8C4A1DPG13

Inductive proximity sensors XS, inductive sensor XS8 40x40x117, PBT, Sn20 mm, 12...48 VDC, terminals



## 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                      | 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      | 0.79 in (20 mm)                                                                               |
| Discrete output function           | 1 NO or 1 NC programmable                                                                     |
| Output circuit type                | DC                                                                                            |
| Electrical connection              | Screw-clamp terminals, 4 x 1.5 mm <sup>2</sup>                                                |
| [Us] rated supply voltage          | 12...48 V DC reverse polarity protection                                                      |
| Switching capacity in mA           | 1.5...100 mA overload and short-circuit protection                                            |
| 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...0.63 in (0...16 mm)         |
| Differential travel      | 3...15% of Sr                      |
| Repeat accuracy          | <= 3% of Sr                        |
| Cable entry number       | 1 tapped entry Pg 13.5 cable gland |
| Status LED               | Output state 1 LED yellow)         |
| Supply voltage limits    | 10...58 V DC                       |
| Maximum residual current | 0.6 mA open state                  |
| Switching frequency      | <= 300 Hz                          |
| Maximum voltage drop     | <4.2 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                    | 4.61 in (117 mm)                   |
| Net Weight               | 0.54 lb(US) (0.244 kg)             |

## Environment

|                                       |                                         |
|---------------------------------------|-----------------------------------------|
| Product Certifications                | UL<br>CSA<br>CCC                        |
| 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                  | 3389119058414            |
| Nbr. of units in pkg. | 1                        |
| Package weight(Lbs)   | 8.29 oz (235.0 g)        |
| Returnability         | No                       |
| Country of origin     | FR                       |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Package 1 Height             | 1.97 in (5 cm)         |
| Package 1 width              | 1.97 in (5 cm)         |
| Package 1 Length             | 5.71 in (14.5 cm)      |
| Unit Type of Package 2       | S02                    |
| Number of Units in Package 2 | 14                     |
| Package 2 Weight             | 8.15 lb(US) (3.696 kg) |
| Package 2 Height             | 5.91 in (15 cm)        |
| Package 2 width              | 11.81 in (30 cm)       |
| Package 2 Length             | 15.75 in (40 cm)       |

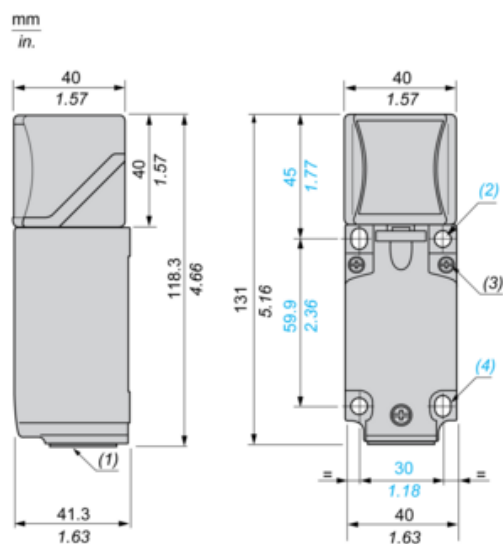
## Offer Sustainability

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



(1) : Pg 13.5 cable gland.

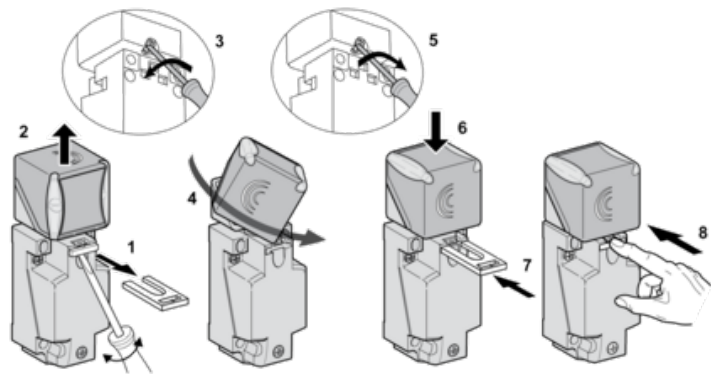
(2) : 2 holes Ø 5,45 mm / Ø 0.21 in. Tightening torque: < 1,5 Nm / < 13.3 lb-in.

(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

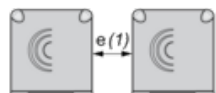
### Head Positions



### Setting-up Precautions

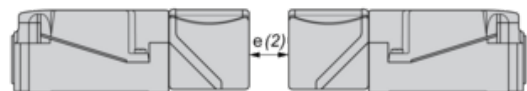
#### Minimum Mounting Distances (mm)

Side by Side



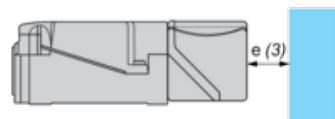
$$e (1) \geq 80$$

Face to Face



$$e (2) \geq 160$$

Facing a Metal Object



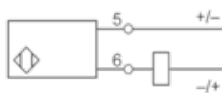
$$e (3) \geq 60$$

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## Wiring Schemes

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### 2-Wire DC (Non Polarised)



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Authorized Distributor

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