

# Product data sheet

## Characteristics

# XS8C4A4DPN12

inductive sensor XS8 40x40x117 - PBT - Sn40 mm - 12..48VDC - 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	Non flush mountable
Material	Plastic
Enclosure material	PBT
Type of output signal	Discrete
Wiring technique	2-wire
[Sn] nominal sensing distance	40 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 with reverse polarity protection
Switching capacity in mA	1.5...100 mA with overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529 IP65 conforming to IEC 60529 IP69K conforming to DIN 40050

## Complementary

Detection face	5 positions turret head
Front material	PBT
Operating zone	0...32 mm
Differential travel	3...15% of Sr
Repeat accuracy	<= 3% of Sr
Cable entry number	1 tapped entry for 1/2" NPT 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	<= 200 Hz
Maximum voltage drop	<4.2 V (closed)
Maximum delay first up	7.5 ms
Maximum delay response	1.4 ms
Maximum delay recovery	2.5 ms
Marking	CE
Height	40 mm
Length	40 mm

Width	117 mm
Net weight	0.244 kg



## 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 EN 60068-2-27

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

## Offer Sustainability

Sustainable offer status	Green Premium product
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

## Contractual warranty

Warranty	18 months
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## Dimensions



(1) : 1/2" NPT cable gland.

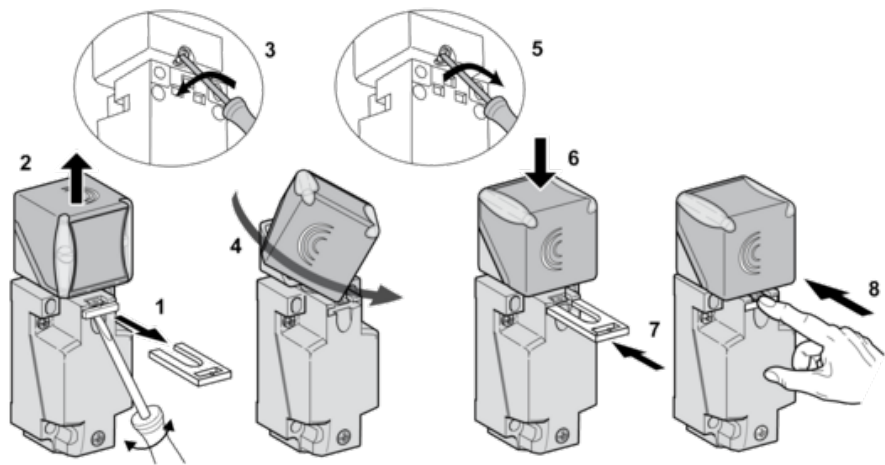
(2) : 2 holes Ø 5,45 mm / Ø 0.21 in. Tightening torque: < 1,5 Nm / < 13.3 lb-in.

(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".

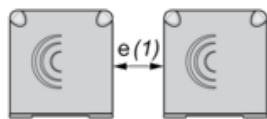
## Mounting

### Head Positions



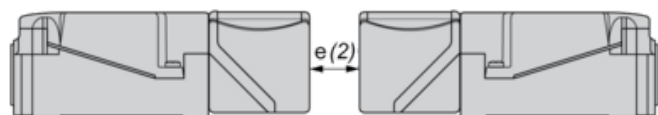
### Setting-up Precautions

#### Side by Side



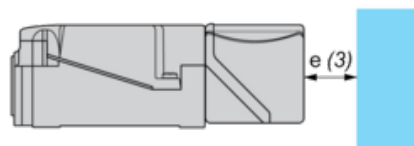
$$e(1) \geq 160$$

#### Face to Face



$$e(2) \geq 320$$

#### Facing a Metal Object



$$e(3) \geq 120$$

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## Wiring Schemes

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### 2-Wire DC (Non Polarised)

