

# XS7D1A3CAM12DIN

Inductive proximity sensors XS, inductive sensor XS7 80x80x26, PBT, Sn50mm, 10...48 VDC, M12



## Main

Range of Product	Telemecanique Inductive proximity sensors XS
Series name	Application
Sensor Type	Inductive proximity sensor
Device Application	-
Sensor name	XS7
Sensor design	Flat form 80 x 80 x 40
Size	40 mm
Body type	Fixed clippable onto DIN rail
Detector flush mounting acceptance	Flush mountable
Material	Plastic
Enclosure Material	PBT
Type of output signal	Discrete
Wiring Technique	2-wire
[Sn] nominal sensing distance	1.97 in (50 mm) flush mountable 1.97 in (50 mm) non flush mountable
Discrete output function	1 NO
Output circuit type	DC
Electrical connection	Male connector M12, 4 pins
[Us] rated supply voltage	10...48 V DC reverse polarity protection
Switching capacity in mA	1.5...300 mA overload and short-circuit protection
IP degree of protection	IP67 double insulation conforming to IEC 60529

## Complementary

Detection face	Frontal
Front material	PBT
Operating zone	0.00...1.57 in (0...40 mm)
Differential travel	1...15% of Sr
Repeat accuracy	3% of Sr
Status LED	Output state 1 LED yellow)
Supply voltage limits	10...58 V DC
Maximum residual current	0.5 mA open state
Switching frequency	<= 100 Hz
Maximum voltage drop	<4.5 V closed)
Maximum delay first up	10 ms
Maximum delay response	2 ms
Maximum delay recovery	5 ms
Marking	CE
Depth	1.57 in (40 mm)
Height	3.15 in (80 mm)
Width	3.15 in (80 mm)
Net Weight	0.82 lb(US) (0.374 kg)

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## Environment

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 ms IEC 60068-2-27

## Ordering and shipping details

Category	22486-SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	3389110709643
Nbr. of units in pkg.	1
Package weight(Lbs)	12.17 oz (345.0 g)
Returnability	No
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.69 in (4.3 cm)
Package 1 width	3.78 in (9.6 cm)
Package 1 Length	5.20 in (13.2 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	22
Package 2 Weight	17.74 lb(US) (8.045 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)

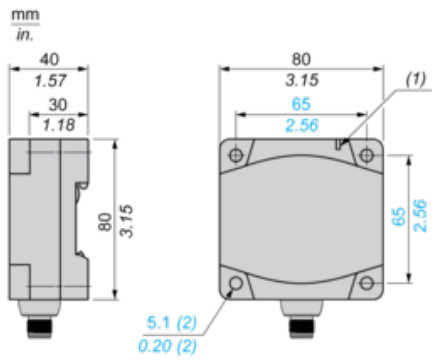
## Offer Sustainability

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
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Dimensions



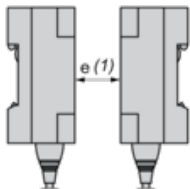
(1) Output LED

(2) For CHC type screws

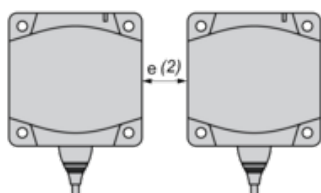
Setting-up

Minimum Mounting Distances (mm)

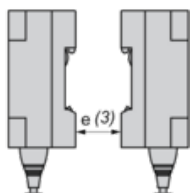
Face to Face



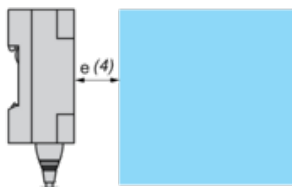
Side by Side



Back to back



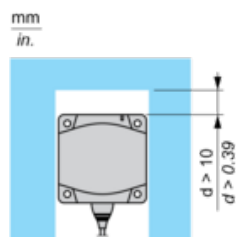
Facing a Metal Object



	e (1)	e (2)	e (3)	e (4)
Flush mounted	450	140	90	150
Not flush mounted	450	180	180	150

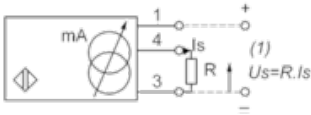
Flush Conditions

In A37 Steel



Wiring Schemes

3-Wire Connection



(1) Voltage output

Ensure a minimum of 5 V between the + (terminal 1) and the sensor output (terminal 4)

	Output current	Load impedance value	Output voltage	Load impedance value
24 V	0...10 mA	$R \leq 1400 \Omega$	0...10 V	$R = 1000 \Omega$

M8

