

# XS7D1A3CAM12DIN

inductive sensor XS7 80x80x26 - PBT - Sn50mm -  
10..48VDC - M12



## Main

Range of product	OsiSense XS
Series name	Application
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS7
Sensor design	Flat form 80 x 80 x 26
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	50 mm flush mountable 50 mm non flush mountable
Discrete output function	1 NO
Output circuit type	DC
Electrical connection	4 pins M12 male connector
[Us] rated supply voltage	10..48 V DC with reverse polarity protection
Switching capacity in mA	1.5..300 mA with 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...40 mm
Differential travel	1...15% of Sr
Repeat accuracy	3% of Sr
Status LED	1 LED yellow for output state
Supply voltage limits	10...58 V DC
Residual current	<= 0.5 mA for open state
Switching frequency	<= 100 Hz
Voltage drop	<= 4.5 V at closed state
Delay first up	<= 10 ms
Delay response	<= 2 ms
Delay recovery	<= 5 ms
Marking	CE
Depth	40 mm
Height	80 mm
Width	80 mm
Product weight	0.374 kg

## Environment

ambient air temperature for operation	-25...70 °C
---------------------------------------	-------------

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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 IEC 60068-2-27

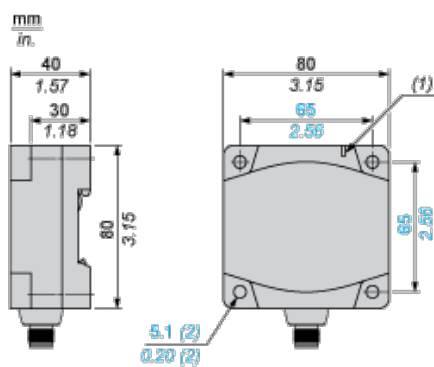
## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0903 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

## Contractual warranty

Warranty period	18 months
-----------------	-----------

## Dimensions

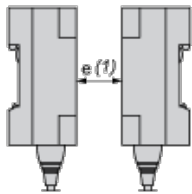


- (1) Output LED
- (2) For CHC type screws

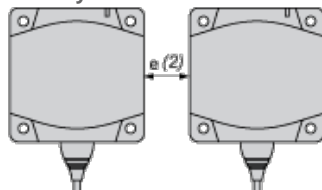
## Setting-up

### Minimum Mounting Distances (mm)

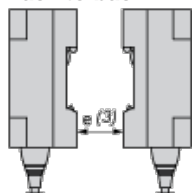
#### Face to Face



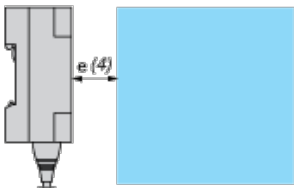
#### Side by Side



#### Back to back



#### Facing a Metal Object

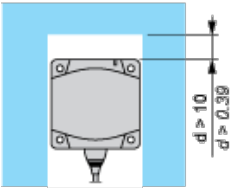


	e (1)	e (2)	e (3)	e (4)
Flush mounted	450	140	90	150
Not flush mounted	450	180	180	150

## Flush Conditions

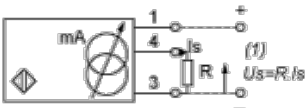
In A37 Steel

$\frac{\text{mm}}{\text{in.}}$



## 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

