

# XS7D1A1DBL2

inductive sensor XS7 80x80x26 - PBT - Sn40mm  
- 12..24VDC - cable 2m



## Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS7
Sensor design	Flat form 80 x 80 x 26
Size	26 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Plastic
Enclosure material	PBT
Type of output signal	Discrete
Wiring technique	2-wire
Discrete output function	1 NC
Output circuit type	DC
Electrical connection	cable
Cable length	2 m
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	1.5...100 mA DC with overload and short-circuit protection
IP degree of protection	IP68 double insulation conforming to IEC 60529

## Complementary



Detection face	Frontal
Front material	PBT
Operating zone	0...32 mm
Differential travel	1...15% of Sr
Cable composition	2 x 0.34 mm <sup>2</sup>
Wire insulation material	PvR
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10...36 V DC
Maximum residual current	0.5 mA open state

Switching frequency	<= 100 Hz
Maximum voltage drop	<4 V (closed)
Maximum delay first up	10 ms
Maximum delay response	10 ms
Maximum delay recovery	10 ms
Marking	CE
Depth	26 mm
Height	80 mm
Width	80 mm
Net weight	0.34 kg

## Environment

Product certifications	C-Tick UL Ecolab CSA
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 gnfor 11 ms conforming to IEC 60068-2-27

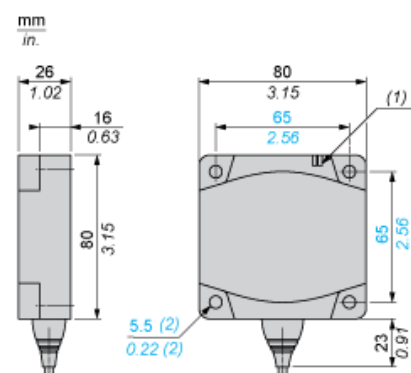
## Offer Sustainability

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#"> EU RoHS Declaration</a>
Environmental Disclosure	<a href="#"> Product Environmental Profile</a>

## Contractual warranty

Warranty	18 months
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## Dimensions



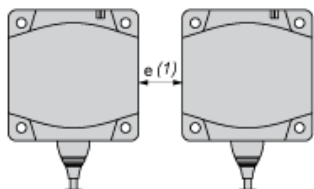
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## Setting-up

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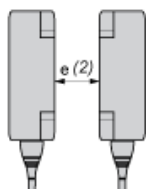
### Minimum Mounting Distances (mm)

Side by Side



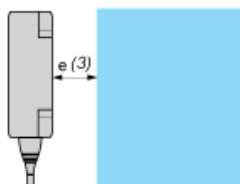
$$e (1) \geq 120$$

Face to Face



$$e (2) \geq 300$$

Facing a Metal Object



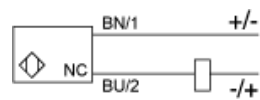
$$e (3) \geq 120$$

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## Wiring Schemes

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### 2-Wire NC



BU : Blue  
BN : Brown