



### Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS7
Sensor design	Flat form 8 x 22 x 8
Size	8 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Plastic
Enclosure material	PBT
Type of output signal	Discrete
Wiring technique	3-wire
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	NPN
Electrical connection	Cable
Cable length	2 m
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	<= 100 mA DC with overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529

### Complementary

Detection face	Frontal
Front material	PBT
Operating zone	0...2 mm
Differential travel	1...15% of Sr
Cable composition	3 x 0.11 mm <sup>2</sup>
Wire insulation material	PvR
Status LED	1 LED yellow for output state
Supply voltage limits	10...36 V DC

Switching frequency	<= 2000 Hz
Voltage drop	<= 2 V at closed state
Current consumption	<= 10 mA at no-load
Delay first up	5 ms
Delay response	0.1 ms
Delay recovery	0.1 ms
Marking	CE
Depth	8 mm
Height	22 mm
Width	8 mm

## Environment

Product certifications	C-Tick UL 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 gn for 11 ms conforming to IEC 60068-2-27

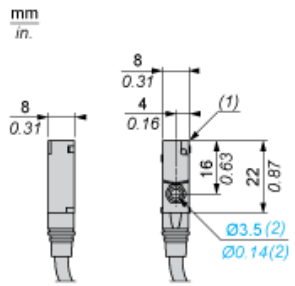
## Offer Sustainability

RoHS (date code: YYWW)	Compliant <a href="#">Schneider Electric declaration of conformity</a>
Product environmental profile	Available <a href="#">Product Environmental Profile</a>
Product end of life instructions	Need no specific recycling operations <a href="#">End of Life Information</a>

## Contractual warranty

Warranty period	18 months
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Dimensions



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

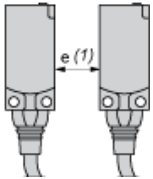
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Setting-up

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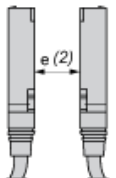
Minimum Mounting Distances (mm)

Side by Side



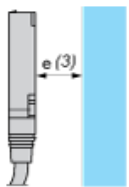
$$e (1) \geq 7.5$$

Face to Face



$$e (2) \geq 20$$

Facing a Metal Object



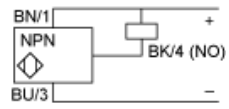
$$e (3) \geq 7.5$$

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## Wiring Schemes

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### NPN



BU : Blue  
BN : Brown  
BK : Black