



Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS7
Sensor design	Flat form 40 x 40 x 15
Size	15 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	4 pins M12 remote male connector
Cable length	0.49 ft (0.15 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 double insulation conforming to IEC 60529

Complementary

Detection face	Frontal
Front material	PBT
Operating zone	0...0.47 in (0...12 mm)
Differential travel	1...15% of Sr
Wire insulation material	PvR
Status LED	1 LED yellow output state
Supply voltage limits	10...36 V DC
Switching frequency	<= 1000 Hz
Voltage drop	<= 2 V at closed state
Current consumption	<= 10 mA at no-load
Delay first up	10 ms
Delay response	2 ms
Delay recovery	5 ms
Marking	CE
Depth	0.59 in (15 mm)
Height	1.57 in (40 mm)
Width	1.57 in (40 mm)

Environment

product certifications	CSA C-Tick UL Ecolab
ambient air temperature for operation	-13...158 °F (-25...70 °C)

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ambient air temperature for storage	-40...185 °F (-40...85 °C)
vibration resistance	25 gn amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
shock resistance	50 gn 11 ms conforming to IEC 60068-2-27

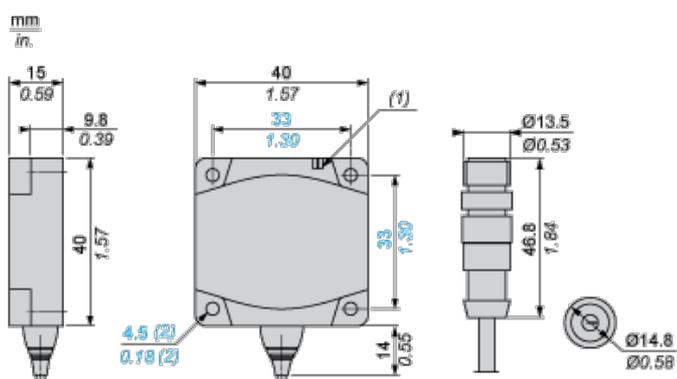
Offer Sustainability

Not Green Premium product	Not Green Premium product
Compliant - since 0903 - Schneider Electric declaration of conformity	Compliant - since 0903 - Schneider Electric declaration of conformity
Available	Available
Need no specific recycling operations	Need no specific recycling operations

Contractual warranty

Warranty period	18 months
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Dimensions

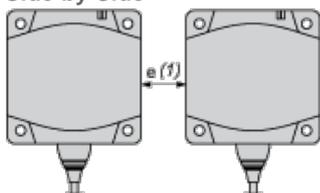


- (1) LED
- (2) For CHC type screws

Setting-up

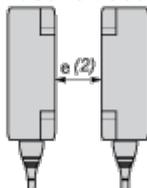
Minimum Mounting Distances (mm)

Side by Side



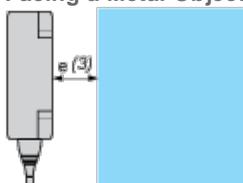
e (1) 45
≧

Face to Face



e (2) 110
≧

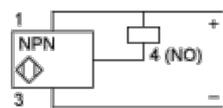
Facing a Metal Object





Wiring Schemes

NPN



M12

