



## Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS5
Sensor design	Cylindrical M18
Size	62 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	2-wire
[Sn] nominal sensing distance	5 mm
Discrete output function	1 NC
Output circuit type	AC/DC
Electrical connection	Cable
Cable length	2 m
[Us] rated supply voltage	24...240 V AC/DC with reverse polarity protection
Switching capacity in mA	5...200 mA DC 5...300 mA AC
IP degree of protection	IP68 double insulation conforming to IEC 60529 IP69K conforming to DIN 40050

## Complementary



Thread type	M18 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel plated brass

Operating zone	0...4 mm
Differential travel	1...15% of Sr
Cable composition	2 x 0.34 mm <sup>2</sup>
Wire insulation material	PvR
Status LED	1 LED (yellow) for output state
Supply voltage limits	20...264 V AC/DC
Residual current	<= 0.8 mA, open state
Switching frequency	<= 1000 Hz DC <= 25 Hz AC
Voltage drop	<= 5.5 V, closed state
Delay first up	<= 25 ms
Delay response	<= 0.5 ms
Delay recovery	<= 0.5 ms
Marking	CE
Threaded length	52 mm
Height	18 mm
Length	62 mm
Product weight	0.12 kg

## Environment

Product certifications	CSA UL
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 (duration = 11 ms) conforming to IEC 60068-2-27

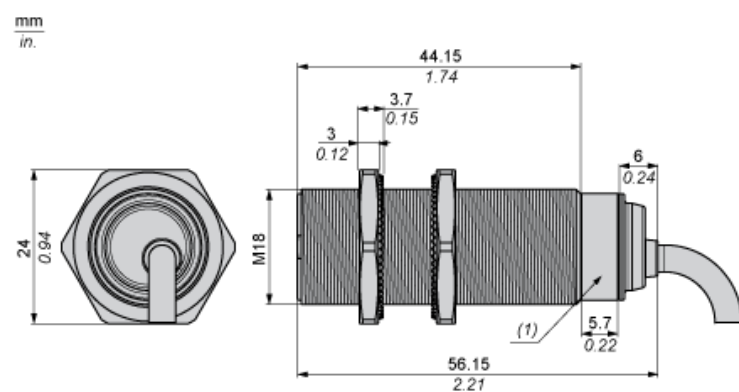
## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1004 - Schneider Electric declaration of conformity <a href="#"> Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>
Product environmental profile	Available <a href="#"> End of Life Information</a>
Product end of life instructions	Available

## Contractual warranty

Warranty period	18 months
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## Dimensions



(1) LED

### Minimum Mounting Distances

Side by side



$e (1) \geq 16 \text{ mm}/0.63 \text{ in.}$

Face to face



$e (2) \geq 100 \text{ mm}/3.94 \text{ in.}$

Facing a metal object

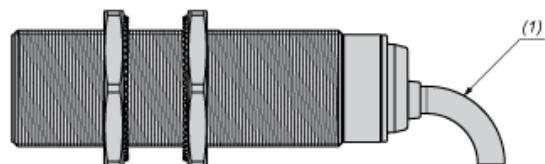


$e (3) \geq 25 \text{ mm}/0.98 \text{ in}$

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Mounting

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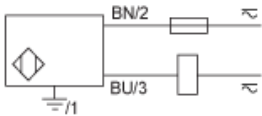


(1) Bending cable: 4 x external cable diameter

Wiring Schemes

2-Wire AC or DC

NC output



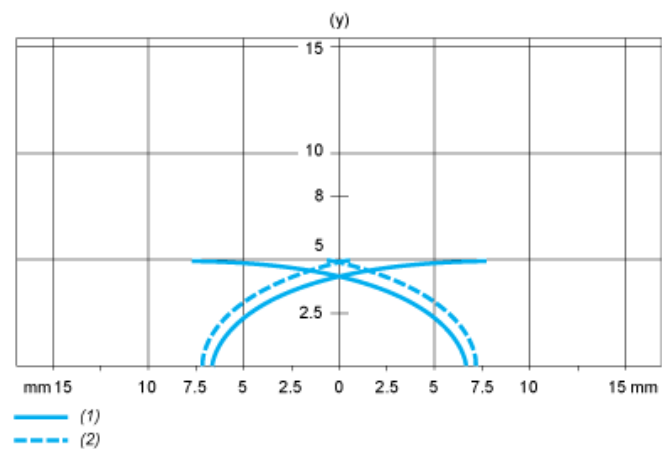
BU : Blue  
BN : Brown

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Performance Curves

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Standard Steel Target : 18x18x1 mm



- (1) Pick-up points  
(2) Drop-out points (object approaching from the side)  
(y) Sensing distance in mm