Product data sheet Characteristics

XS4P18MB230L1

inductive sensor XS4 M18 - L62mm - PPS - Sn8mm - 24..240VAC/DC - cable 5m





Main

Range of product OsiSense XS Series name General purpose Sensor type Inductive proximity sensor Device application - Sensor name XS4 Sensor design Cylindrical M18 Size 62 mm Body type Fixed Detector flush mounting acceptance Non flush mountable Material Plastic Type of output signal Discrete Wiring technique 2-wire [Sn] nominal sensing distance 8 mm Discrete output function 1 NC Output circuit type AC/DC Electrical connection Cable Cable length 5 m [Us] rated supply voltage 24240 V AC/DC, 50/60 Hz Switching capacity in mA Fle8 double insulation conforming to IEC 60529	Widin		
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Discrete output function 1 NC Output circuit type AC/DC Electrical connection Cable Cable length 5 m [Us] rated supply voltage 24240 V AC/DC, 50/60 Hz Switching capacity in mA 5200 mA DC 5300 mA AC	Wiring technique	2-wire	
Output circuit type AC/DC Electrical connection Cable Cable length 5 m [Us] rated supply voltage 24240 V AC/DC, 50/60 Hz Switching capacity in mA 5200 mA DC 5300 mA AC	[Sn] nominal sensing distance	8 mm	
Electrical connection Cable Cable length 5 m [Us] rated supply voltage 24240 V AC/DC, 50/60 Hz Switching capacity in mA 5200 mA DC 5300 mA AC	Discrete output function	1 NC	
Cable length 5 m [Us] rated supply voltage 24240 V AC/DC, 50/60 Hz Switching capacity in mA 5200 mA DC 5300 mA AC	Output circuit type	AC/DC	
[Us] rated supply voltage 24240 V AC/DC, 50/60 Hz Switching capacity in mA 5200 mA DC 5300 mA AC	Electrical connection	Cable	
Switching capacity in mA 5200 mA DC 5300 mA AC	Cable length	5 m	
5300 mA AC	[Us] rated supply voltage	24240 V AC/DC, 50/60 Hz	
IP degree of protection IP68 double insulation conforming to IEC 60529	Switching capacity in mA		
	IP degree of protection	IP68 double insulation conforming to IEC 60529	

Complementary

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Thread type	M18 x 1	-
Detection face	Frontal	
Front material	PPS	Ę.
Enclosure material	PPS	

Operating zone	06.4 mm
Differential travel	115% of Sr
Cable composition	2 x 0.34 mm²
Wire insulation material	PvR
Status LED	1 LED (yellow) for output state
Supply voltage limits	20264 V AC/DC
Residual current	<= 0.6 mA (open state)
Switching frequency	<= 2000 Hz (DC) <= 25 Hz (AC)
Voltage drop	<= 5.5 V (closed
Delay first up	<= 40 ms
Delay response	<= 0.2 ms
Delay recovery	<= 0.2 ms
Marking	CE
Threaded length	52 mm
Height	18 mm
Length	62 mm
Product weight	0.22 kg

Environment

Product certifications	CCC	
	CSA	
	UL	
Ambient air temperature for operation	-2570 °C	
Ambient air temperature for storage	-4085 °C	
Vibration resistance	25 gn, amplitude: +/- 2 mm (f = 1055 Hz) conforming to IEC 60068-2-6	
Shock resistance	50 gn (duration = 11 ms) conforming to IEC 60068-2-27	

Offer Sustainability

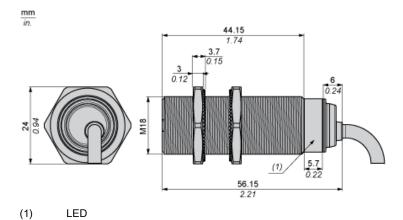
Sustainable offer status	Green Premium product	
RoHS (date code: YYWW)	Compliant - since 0813 - Schneider Electric declaration of conformity	
	Schneider Electric declaration of conformity	
REACh	Reference not containing SVHC above the threshold	
	Reference not containing SVHC above the threshold	
Product environmental profile	Available	
	End of Life Information	
Product end of life instructions	Available	

Contractual warranty

Contractual warranty		
Warranty period	18 months	

XS4P18MB230L1

Dimensions

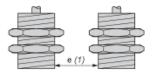


Product data sheet Mounting and Clearance

XS4P18MB230L1

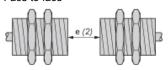
Minimum Mounting Distances

Side by side

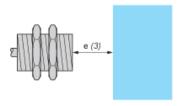


e (1) ≥ 32 mm/1.26 in.

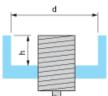
Face to face



e (2) ≥ 96 mm/3.78 in. Facing a metal object



e (3) ≥ 24 mm/0.94 in. Mounted in a metal support

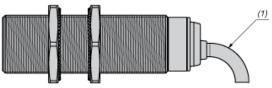


 $d \ge 56 \text{ mm/2.20 in.}$ $h \ge 16 \text{ mm/0.63 in.}$

Product data sheet Mounting and Clearance

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Mounting



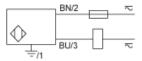
Product data sheet Connections and Schema

XS4P18MB230L1

Wiring Schemes

2-Wire AC or DC

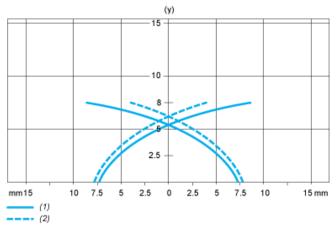
NC output



BU: Blue Brown

Performance Curves

Standard Steel Target: 24x24x1 mm



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