

Product data sheet Characteristics

XS8C1A1NBL01M12

inductive sensor XS8 40x40x15 - PBT - Sn25mm - 12..24VDC - M12 0.15m



Main

Range of product	Telemecanique Inductive proximity sensors XS		
Series name	General purpose		
Sensor type	Inductive proximity sensor		
Device application	-		
Sensor name	XS8		
Sensor design	Flat form 40 x 40 x 15		
Size	15 mm		
Body type	Fixed		
Detector flush mounting acceptance	Non flush mountable		
Material	Plastic		
Enclosure material	PBT		
Type of output signal	Discrete		
Wiring technique	3-wire		
[Sn] nominal sensing distance	15 Mm flush mountable 25 mm non flush mountable		
Discrete output function	1 NC		
Output circuit type	DC		
Discrete output type	NPN		
Electrical connection	Remote male connector M12, 4 pins		
Cable length	0.15 m		
[Us] rated supply voltage	1224 V DC with reverse polarity protection		
Switching capacity in mA	<= 200 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		
Fine adjustment zone	815 Mm flush mountable 825 mm non flush mountable		
Differential travel	115% of Sr		
Wire insulation material	PVC		
Supply voltage limits	1036 V DC		
Maximum residual current	1.5 mA open state		
Switching frequency	<= 1000 Hz		
Maximum voltage drop	<2 V (closed)		
Current consumption	<= 10 mA no-load		
Maximum delay first up	10 ms		
Maximum delay response	0.3 ms		
Maximum delay recovery	0.8 ms		
Marking	CE		
Depth	15 mm		
Height	40 mm		
Width	40 mm		

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Environment

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

Packing Units

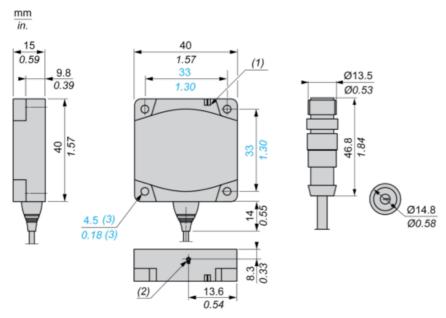
Unit Type of Package 1	PCE
Number of Units in Package 1	1

Contractual warranty

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Dimensions



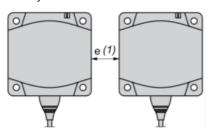
- (1) LED
- (2) Teach mode button
- (3) For CHC type screws

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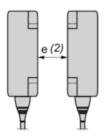
Setting-up

Minimum Mounting Distances (mm)

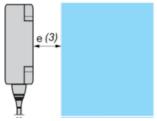
Side by Side



Face to Face



Facing a Metal Object



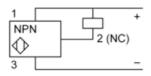
	e (1)	e (2)	e (3)
Flush mounted	60	120	15
Not flush mounted	125	250	

Product data sheet Connections and Schema

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Wiring Schemes

NPN



M12

