

Product data sheet Characteristics

XS8C1A1MAL2

inductive sensor XS8 40x40x15 - PBT - Sn25mm - 24..240VAC/DC - cable 2m





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	2-wire	
[Sn] nominal sensing distance	15 Mm flush mountable 25 mm non flush mountable	
Discrete output function	1 NO	
Output circuit type	AC/DC	
Electrical connection	Cable	
Cable length	2 m	
[Us] rated supply voltage	24240 V AC/DC 50/60 Hz	
Switching capacity in mA	5200 mA DC 5300 mA AC	
IP degree of protection	IP68 double insulation conforming to IEC 60529	

Complementary

Complementary		
Detection face	Frontal	
Front material	PBT	
Fine adjustment zone	815 Mm flush mountable 825 mm non flush mountable	
Differential travel	115% of Sr	
Cable composition	2 x 0.34 mm ²	
Wire insulation material	PVC	
Supply voltage limits	20264 V AC/DC	
Maximum residual current	1.5 mA open state	
Switching frequency	<= 1000 Hz	
Maximum voltage drop	<5.5 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	

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Width	40 mm
Net weight	0.09 kg

Environment

Product certifications	CSA[RETURN]UL[RETURN]Ecolab[RETURN]CCC	
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 for 11 ms conforming to IEC 60068-2-27	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.200 cm
Package 1 Width	9.700 cm
Package 1 Length	13.200 cm
Package 1 Weight	126.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	44
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	6.014 kg

Offer Sustainability

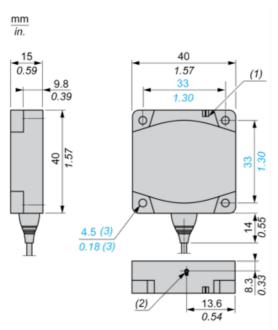
Sustainable offer status	Green Premium product	Green Premium product	
REACh Regulation	☑ REACh Declaration	☑ REACh Declaration	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)	Pro-active compliance (Product out of EU RoHS legal scope)	
Mercury free	Yes	Yes	
RoHS exemption information	₫Yes		
Circularity Profile	No need of specific recycling operations	No need of specific recycling operations	

Contractual warranty

Warranty	18 months
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Dimensions



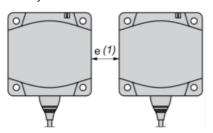
- (1) LED
- (2) Teach mode button
- (3) For CHC type screws

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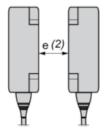
Setting-up

Minimum Mounting Distances (mm)

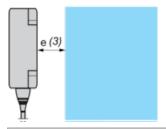
Side by Side



Face to Face



Facing a Metal Object



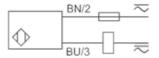
	e (1)	e (2)	e (3)
Flush mounted	60	120	15
Not flush mounted	125	250	

Product data sheet Connections and Schema

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Wiring Schemes

2-Wire NO Output



BU : Blue BN : Brown