

Product data sheet Characteristics

XS7J1A1NBL2

inductive sensor XS7 8x22x8 - PBT - Sn2.5mm - 12..24VDC - cable 2m





Main

Range of product	Telemecanique Inductive proximity sensors XS	
Series name	General purpose	
Sensor type	Inductive proximity sensor	
Device application	-	
Sensor name	XS7	
Sensor design	Flat form 8 x 22 x 8	
Size	8 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 NC	
Output circuit type	DC	
Discrete output type	NPN	
Electrical connection	Cable	
Cable length	2 m	
[Us] rated supply voltage	1224 V DC with reverse polarity protection	
Switching capacity in mA	<= 100 mA DC with overload and short-circuit protection	
IP degree of protection	IP67 conforming to IEC 60529	

Complementary

Complementary		
Detection face	Frontal	
Front material	PBT	
Operating zone	02 mm	
Differential travel	115% of Sr	
Cable composition	3 x 0.11 mm²	
Wire insulation material	PVC	
Status LED	Output state: 1 LED (yellow)	
Supply voltage limits	1036 V DC	
Switching frequency	<= 2000 Hz	
Maximum voltage drop	<2 V (closed)	
Current consumption	<= 10 mA no-load	
Maximum delay first up	5 ms	
Maximum delay response	0.1 ms	
Maximum delay recovery	0.1 ms	
Marking	CE	
Depth	8 mm	
Height	22 mm	
Width	8 mm	

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Environment

Product certifications	C-Tick[RETURN]UL[RETURN]CSA
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

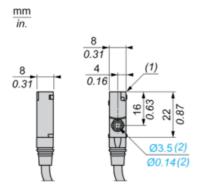
Offer Sustainability

Sustainable offer status	Green Premium product	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration	
Mercury free	Yes	
oHS exemption information		

Contractual warranty

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Warranty	18 ma	onths

Dimensions



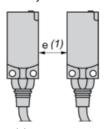
- (1) LED
- (2) For CHC type screws

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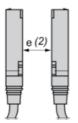
Setting-up

Minimum Mounting Distances (mm)

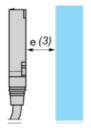
Side by Side



e (1) ≥ 7.5 Face to Face



e (2) ≥ 20 Facing a Metal Object



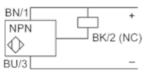
e (3) ≥ 7.5

Product data sheet Connections and Schema

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Wiring Schemes

NPN



BU : Blue BN : Brown BK : Black