

Product data sheet Characteristics

XS7F1A1DAL2

inductive sensor XS7 15x32x8 - PBT - Sn5mm - 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 15 x 32 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	2-wire	
Discrete output function	1 NO	
Output circuit type	DC	
Electrical connection	Cable	
Cable length	2 m	
[Us] rated supply voltage	1224 V DC with reverse polarity protection	
Switching capacity in mA	1.5100 mA DC with overload and short-circuit protection	
IP degree of protection	IP68 conforming to IEC 60529	

Complementary

Outplementary	
Detection face	Frontal
Front material	PBT
Operating zone	04 mm
Differential travel	115% of Sr
Cable composition	2 x 0.34 mm²
Wire insulation material	PVC
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	1036 V DC
Maximum residual current	0.5 mA open state
Switching frequency	<= 5000 Hz
Maximum voltage drop	<4 V (closed)
Maximum delay first up	5 ms
Maximum delay response	5 ms
Maximum delay recovery	5 ms
Marking	CE
Depth	8 mm
Height	32 mm
Width	15 mm
Net weight	0.055 kg

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Environment

Product certifications	CSA[RETURN]UL[RETURN]C-Tick
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	4.0 cm
Package 1 Width	10.0 cm
Package 1 Length	13.0 cm
Package 1 Weight	78.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	16
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	1.584 kg
Unit Type of Package 3	PAL
Number of Units in Package 3	256
Package 3 Height	60.0 cm
Package 3 Width	80.0 cm
Package 3 Length	256.0 cm
Package 3 Weight	20.736 kg

Offer Sustainability

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

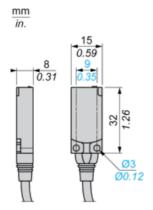
Contractual warranty

Warranty	18 months

Product data sheet Dimensions Drawings

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Dimensions

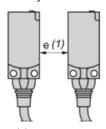


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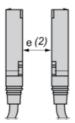
Setting-up

Minimum Mounting Distances (mm)

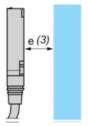
Side by Side



e (1) ≥ 15 Face to Face



e (2) ≥ 40 Facing a Metal Object



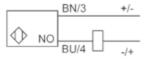
e (3) ≥ 15

Product data sheet Connections and Schema

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Wiring Schemes

2-Wire NO



BU : Blue BN : Brown