Product data sheet

Specifications



Inductive proximity sensors XS, inductive sensor XS7 80x80x26, PBT, Sn40mm, 12...24 VDC, cable 2 m

XS7D1A1DAL2

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 80 x 80 x 26
Size	26 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	12...24 V DC with reverse polarity protection
Switching capacity in mA	1.5...100 mA DC with overload and short-circuit protection
IP degree of protection	IP68 double insulation conforming to IEC 60529

Complementary

Detection face	Frontal
Front material	PBT
Operating zone	0…32 mm
Differential travel	1...15% of Sr
Cable composition	2 x 0.34 mm²
Wire insulation material	PvR

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10…36 V DC
Maximum residual current	0.5 mA open state
Switching frequency	<= 100 Hz
Maximum voltage drop	<4 V (closed)
Maximum delay first up	10 ms
Maximum delay response	10 ms
Maximum delay recovery	10 ms
Marking	CE
Depth	26 mm
Height	80 mm
Width	80 mm
Net weight	0.34 kg

Environment

Product certifications	UL C-Tick CSA Ecolab
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-40…85 °C
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 10…55 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 Weight	364.0 g
Package 1 Height	6.8 cm
Package 1 width	9.8 cm
Package 1 Length	13.3 cm
Unit Type of Package 2	S02
Number of Units in Package 2	10
Package 2 Weight	4.062 kg
Package 2 Height	15.0 cm
Package 2 width	30.0 cm
Package 2 Length	40.0 cm

Offer Sustainability

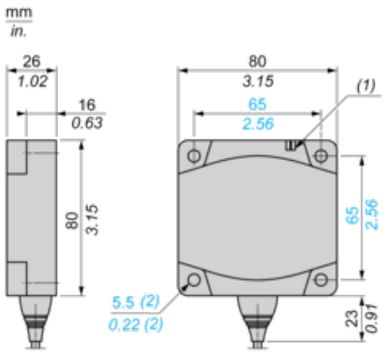
Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes

RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Contractual warranty

Warranty	18 months

Dimensions



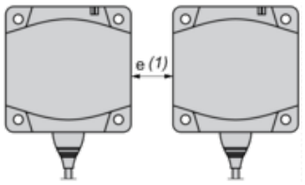
(1) LED

(2) For CHC type screws

Setting-up

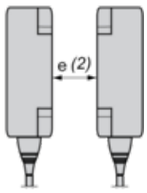
Minimum Mounting Distances (mm)

Side by Side



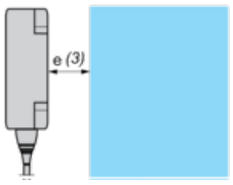
e (1) ≥ 120

Face to Face



e (2) ≥ 300

Facing a Metal Object



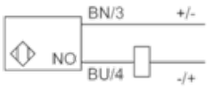
e (3) ≥ 120

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Connections and Schema

Wiring Schemes

2-Wire NO



BU : Blue

BN : Brown