Product data sheet

Specifications

Green Premium™

Inductive proximity sensors XS, inductive sensor XS7 26x26x13, PBT, Sn10mm, 12...24 VDC, cable 2 m

XS7E1A1DAL2

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 26 x 26 x 13
Size	13 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…8 mm
Differential travel	1...15% of Sr
Cable composition	2 x 0.34 mm²
Wire insulation material	PvR

Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10…36 V DC
Maximum residual current	0.5 mA open state
Switching frequency	<= 1000 Hz
Maximum voltage drop	<4 V (closed)
Maximum delay first up	5 ms
Maximum delay response	0.3 ms
Maximum delay recovery	0.7 ms
Marking	CE
Depth	13 mm
Height	26 mm
Width	26 mm
Net weight	0.07 kg

Environment

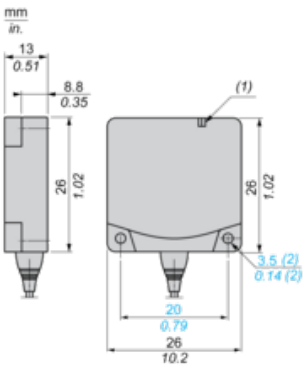|	
Product certifications	UL Ecolab C-Tick CSA
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-40…85 °C
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 10…55 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	91.0 g
Package 1 Height	4.4 cm
Package 1 width	9.5 cm
Package 1 Length	13.2 cm
Unit Type of Package 2	S02
Number of Units in Package 2	16
Package 2 Weight	1.876 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

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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
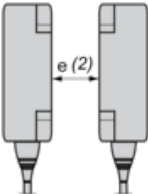**(2)** For CHC type screws

Setting-up

Minimum Mounting Distances (mm)
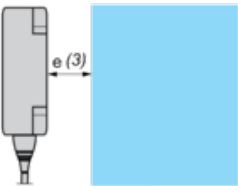
Side by Side
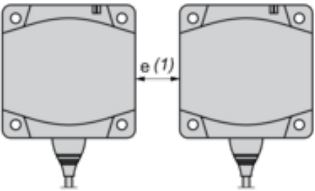
e (1) ≥ 30
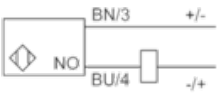
Face to Face

e (2) ≥ 72

Facing a Metal Object

e (3) ≥ 30

Wiring Schemes

2-Wire NO

BU : Blue
BN : Brown