Product data sheet
Characteristics

XS7J1A1DAL2
inductive sensor XS7 8x22x8 - PBT - Sn2.5mm - 12..24VDC - cable 2m

Main

Range of product	OsiSense 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	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	IP67 conforming to IEC 60529

Complementary

Detection face	Frontal
Front material	PBT
Operating zone	0...2 mm
Differential travel	1...15% of Sr
Cable composition	2 x 0.11 mm²
Wire insulation material	PvR
Status LED	1 LED yellow for output state
Supply voltage limits	10...36 V DC
Residual current	<= 0.5 mA for open state

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Switching frequency	<= 4000 Hz
Voltage drop	<= 4 V at closed state
Delay first up	10 ms
Delay response	0.5 ms
Delay recovery	1 ms
Marking	CE
Depth	8 mm
Height	22 mm
Width	8 mm
Product weight	0.05 kg

Environment

Product certifications	CSA C-Tick UL
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

Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 0903 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
Product environmental profile	Available Product Environmental Profile
Product end of life instructions	Need no specific recycling operations End of Life Information

Contractual warranty

Warranty period	18 months

Dimensions
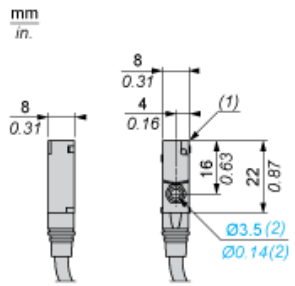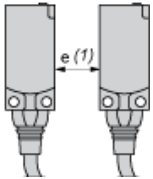

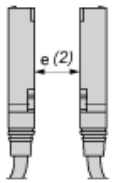
(1)   LED
(2)   For CHC type screws

Setting-up

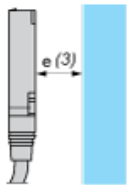Minimum Mounting Distances (mm)

Side by Side

e (1) ≥   7.5

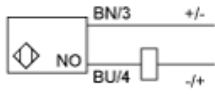Face to Face

e (2) ≥   20

Facing a Metal Object

e (3) ≥   7.5

Wiring Schemes

2-Wire NO

BU :   Blue
BN :   Brown