

XS7J1A1NAL5

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



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	3-wire
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	NPN
Electrical connection	cable
Cable length	5 m
[Us] rated supply voltage	12...24 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

Detection face	Frontal
Front material	PBT
Operating zone	0...2 mm
Differential travel	1...15% of Sr
Cable composition	3 x 0.11 mm ²
Wire insulation material	PvR
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10...36 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
Net weight	0.18 kg

Environment

Product certifications	CSA UL C-Tick
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

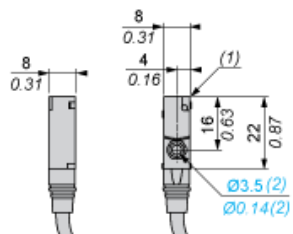
Package 1 Weight	0.100 kg
Package 1 Height	1.300 dm
Package 1 width	0.660 dm
Package 1 Length	0.950 dm

Contractual warranty

Warranty	18 months
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Dimensions

mm
in.



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

Setting-up

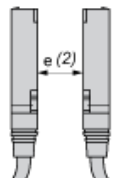
Minimum Mounting Distances (mm)

Side by Side



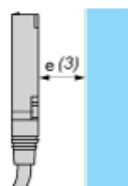
e (1) 7.5
≥

Face to Face



e (2) 20
≥

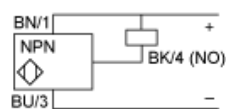
Facing a Metal Object



e (3) 7.5
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Wiring Schemes

NPN



BU : Blue
BN : Brown
BK : Black