



Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Product specific application	-
Sensor name	XS7
Sensor design	Flat form 15 x 32 x 8
Size	8 mm
Body type	Fixed
Flush mountability	Flush mountable
Material	Plastic
Enclosure material	PBT
Type of output signal	Discrete
Wiring techniques	3-wire
Sd sensing range	> 4...8 mm
[Sn] nominal sensing distance	5 mm
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	NPN
Electrical connection	3 pins M8 remote male connector
Cable length	0.15 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	IP68 conforming to IEC 60529

Complementary

Detection face	Frontal
Operating zone	0...4 mm
Differential travel	1...15% of Sr
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
Switching frequency	<= 2000 Hz
Voltage drop	<= 2 V at closed state
Current consumption	<= 10 mA at no-load
Delay first up	5 ms
Delay response	0.1 ms
Delay recovery	0.1 ms
Marking	CE
Depth	8 mm
Height	32 mm
Width	15 mm
CAD overall depth	8 mm
Product weight	0.045 kg

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Environment

Product certifications	CSA C-Tick UL
Ambient air temp for op	-25...70 °C
Ambient air temp 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

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