

Main

Range of product	OsiSense XS
Body type	Fixed
Material	Metal
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	4 mm
Series name	General purpose
Discrete output function	1 NO
Discrete output type	PNP
Electrical connection	M12 male connector , 4 pins
Sensor type	Inductive proximity sensor
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	≤ 200 mA with overload and short-circuit protection
Product specific application	Bulk packaging
Sensor name	XS1
IP degree of protection	IP65 conforming to IEC 60529 IP67 conforming to IEC 60529
Sensor design	Cylindrical M12
Sale per indivisible quantity	20
Size	50 mm

Complementary

Detector flush mounting acceptance	Flush mountable
Enclosure material	Nickel plated brass
[Sd] sensing range	> 2.5...4 mm
Operating zone	0...3.2 mm
Differential travel	1...15% of Sr
Output circuit type	DC
Status LED	1 LED (yellow) for output state
Supply voltage limits	10...36 V DC
Switching frequency	≤ 2500 Hz
Voltage drop	≤ 2 V (closed state)
Current consumption	≤ 10 mA (no-load)
Delay first up	≤ 10 ms
Delay response	≤ 0.2 ms
Delay recovery	≤ 0.2 ms
Marking	CE
Threaded length	29 mm
Length	50 mm
Product weight	0.47 kg
ISO thread	M12 x 1
Detection face	Frontal

Environment

Product certifications	CSA 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 (duration = 11 ms) conforming to IEC 60068-2-27
RoHS EUR conformity date	0936
RoHS EUR status	Compliant