



Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Sensor name	XS6
Sensor design	Cylindrical M12
Size	54 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	2-wire
[Sn] nominal sensing distance	4 mm
Discrete output function	1 NO
Output circuit type	AC/DC
Electrical connection	Cable
Cable length	16.40 ft (5 m)
[Us] rated supply voltage	24...240 V AC/DC 50/60 Hz
Switching capacity in mA	5...200 mA AC/DC
IP degree of protection	IP68 double insulation conforming to IEC 60529 IP69K conforming to DIN 40050

Complementary

Thread type	M12 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel plated brass

Sensing range	> 2.5...4 mm
Operating zone	0.00...0.13 in (0...3.2 mm)
Differential travel	1...15% of Sr
Cable composition	2 x 0.34 mm ²
Wire insulation material	PvR
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	20...264 V AC/DC
Maximum residual current	0.8 mA open state
Switching frequency	<= 1000 Hz DC <= 25 Hz AC
Maximum voltage drop	<5.5 V (closed)
Maximum delay first up	20 ms
Maximum delay response	0.5 ms
Maximum delay recovery	0.2 ms
Marking	CE
Threaded length	1.65 in (42 mm)
Length	2.13 in (54 mm)
Net weight	0.43 lb(US) (0.195 kg)

Environment

Product certifications	UL CSA
Ambient air temperature for operation	-13...158 °F (-25...70 °C)
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Vibration resistance	25 gn +/- 2 mm 10...55 Hz)IEC 60068-2-6
Shock resistance	50 gn 11 ms IEC 60068-2-27

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	5.01 oz (142 g)
Package 1 Height	1.73 in (4.4 cm)
Package 1 width	5.04 in (12.8 cm)
Package 1 Length	4.72 in (12 cm)
Unit Type of Package 2	BAG
Number of Units in Package 2	1
Package 2 Weight	5.68 oz (161 g)
Package 2 Height	1.77 in (4.5 cm)
Package 2 width	9.84 in (25 cm)
Package 2 Length	7.87 in (20 cm)
Unit Type of Package 3	S02
Number of Units in Package 3	22
Package 3 Weight	7.45 lb(US) (3.38 kg)
Package 3 Height	5.91 in (15 cm)
Package 3 width	11.81 in (30 cm)
Package 3 Length	15.75 in (40 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

RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Contractual warranty

Warranty	18 months
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