

XS1M12MA250L2

inductive sensor XS1 M12 - L55mm - brass - Sn2mm - 24..240VAC/DC - cable 10m



Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Product specific application	2-wire DC short-circuit protection
Sensor name	XS1
Sensor design	Cylindrical M12
Size	55 mm
Body type	Fixed
Enclosure material	Nickel plated brass
Type of output signal	Discrete
Wiring technique	2-wire
[Sn] nominal sensing distance	2 mm
Discrete output function	1 NO
Electrical connection	Cable
Cable length	10 m
[Us] rated supply voltage	24...210 V DC 24...240 V AC 50/60 Hz
Switching capacity in mA	5...200 mA AC/DC with overload and short-circuit protection
IP degree of protection	IP68 double insulation conforming to IEC 60529

Complementary

ISO thread	M12 x 1
Detection face	Frontal
Detector flush mounting acceptance	Flush mountable
Material	Metal
[Sd] sensing range	> 0...2.5 mm
Operating zone	0...1.6 mm
Differential travel	1...15% of Sr
Output circuit type	AC/DC
Cable composition	2 x 0.34 mm ²
Wire insulation material	PvR
Status LED	1 LED red for output state
Supply voltage limits	20...264 V AC/DC
Residual current	≤ 1.5 mA for open state
Switching frequency	≤ 25 Hz AC ≤ 4000 Hz DC
Voltage drop	≤ 5.5 V at closed state
Delay first up	≤ 70 ms
Delay response	≤ 0.2 ms
Delay recovery	≤ 0.2 ms
Marking	CE
Threaded length	47 mm
Length	55 mm
Product weight	0.075 kg 0.275 kg

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Environment

Product certifications	CCC 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 for 11 ms conforming to IEC 60068-2-27
RoHS EUR conformity date	4Q2008
RoHS EUR status	Will be compliant

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