



Main

Range of product	OsiSense XS
Series name	Application
Sensor type	Inductive proximity sensor
Product specific application	Welding machine
Sensor name	XS1
Sensor design	Cylindrical M12
Size	60 mm
Body type	Fixed
Enclosure material	Nickel plated brass
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	2 mm
Discrete output function	1 NO
Discrete output type	PNP
Electrical connection	4 pins M12 male connector
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	≤ 250 mA with overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529

Complementary

ISO thread	M12 x 1
Detection face	Frontal
Detector flush mounting acceptance	Flush mountable
Material	Metal
Front material	Teflon
[Sd] sensing range	> 0...2.5 mm
Operating zone	0...1.6 mm
Differential travel	1...20% of Sr
Repeat accuracy	3% of Sr
Output circuit type	DC
Status LED	1 LED yellow for output state
Supply voltage limits	10...36 V DC
Switching frequency	≤ 1000 Hz
Voltage drop	≤ 2.5 V at closed state
Current consumption	≤ 15 mA at no-load
Delay first up	≤ 10 ms
Delay response	≤ 0.1 ms
Delay recovery	≤ 0.4 ms
Marking	CE
Threaded length	40 mm
Length	60 mm
Product weight	0.025 kg

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Environment

Product certifications	CSA UL
Ambient air temperature for operation	-25...70 °C
RoHS EUR conformity date	0604
RoHS EUR status	Compliant