



Main

Range of product	OsiSense XS
Series name	Application
Sensor type	Inductive proximity sensor
Device application	Welding machine
Sensor name	XS9
Sensor design	Cylindrical M12
Size	60 mm
Body type	Single piece body
Enclosure material	Stainless steel 303
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	0.24 in (6 mm)
Discrete output function	1 NO
Discrete output type	PNP
Electrical connection	Male connector M12, 4 pins
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA overload and short-circuit protection
IP degree of protection	IP69K conforming to DIN 40050 IP68 IEC 60529

Complementary

Thread type	M12 x 1
Detection face	Frontal
Detector flush mounting acceptance	Flush mountable
Material	Stainless steel 303
Front material	Stainless steel 303
Sensing range	> 4...8 mm
Operating zone	0.00...0.19 in (0...4.8 mm)
Differential travel	1...15 % of Sr
Repeat accuracy	<= 5 % of Sr

Output circuit type	DC
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10...30 V DC
Maximum residual current	0.1 mA open state
Switching frequency	<= 15 Hz
Maximum voltage drop	<2 V closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	80 ms
Maximum delay response	0.0001 ms
Maximum delay recovery	0.015 ms
Marking	CE
Threaded length	1.61 in (41 mm)
Height	0.47 in (12 mm)
Length	2.36 in (60 mm)
Net weight	0.05 lb(US) (0.024 kg)

Environment

Product certifications	CULus
Ambient air temperature for operation	-13...158 °F (-25...70 °C)
Ambient air temperature for storage	-13...158 °F (-25...70 °C)
Vibration resistance	25 gn +/- 1 mm 10...55 Hz)IEC 60068-2-6
Shock resistance	30 gn 11 msIEC 60068-2-27

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	1.13 oz (32 g)
Package 1 Height	1.18 in (3 cm)
Package 1 width	2.52 in (6.4 cm)
Package 1 Length	7.20 in (18.3 cm)
Unit Type of Package 2	S01
Number of Units in Package 2	25
Package 2 Weight	2.30 lb(US) (1.042 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	5.91 in (15 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

REACH Regulation	REACH Declaration
EU RoHS Directive	Not applicable, out of EU RoHS legal scope

Contractual warranty

Warranty	18 months
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