



Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	Welding machine Factor 1 (Fe/Nfe)
Sensor name	XS9
Sensor design	Form 40 x 40 x 117
Size	117 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Plastic
Enclosure material	PBT
Type of output signal	Discrete
Wiring technique	4-wire
[Sn] nominal sensing distance	20 mm
Discrete output function	1 NO + 1 NC
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Screw-clamp terminals, 4 x 1.5 mm ²
[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	IP67 IEC 60529 IP65 IEC 60529 IP69K conforming to DIN 40050

Complementary

Detection face	5 positions turret head
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Front material	PBT
Operating zone	0.00...0.63 in (0...16 mm)
Differential travel	3...15% of Sr
Repeat accuracy	<= 3% of Sr
Electromagnetic compatibility	Immunity to magnetic fields 250 mT
Cable entry number	1 tapped entry for M20 x 1.5 cable gland
Status LED	Supply on 1 LED green Output state: 1 LED (yellow)
Supply voltage limits	10...36 V DC
Switching frequency	<= 250 Hz
Maximum voltage drop	<2 V closed)
Current consumption	0...30 mA no-load
Maximum delay first up	15 ms
Maximum delay response	2.5 ms
Maximum delay recovery	2.5 ms
Marking	CE
Height	1.57 in (40 mm)
Length	1.57 in (40 mm)
Width	4.61 in (117 mm)
Net weight	0.54 lb(US) (0.244 kg)

Environment

Product certifications	UL CSA CCC
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 msEN 60068-2-27

Packing Units

Package 1 Weight	8.11 oz (230.000 g)
Package 1 Height	5.39 in (137.000 mm)
Package 1 width	1.69 in (43.000 mm)
Package 1 Length	1.69 in (43.000 mm)

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

Contractual warranty

Warranty	18 months
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