Product data sheet
Characteristics

XS9C2A1NCM12

inductive sensor XS9 40x40x70 - PBT - Sn20 mm - 12..24VDC - M12

Green Premium™ Product

Main

Range of product	OsiSense XS
Series name	Application, high performance
Sensor type	Inductive proximity sensor
Device application	Factor 1 (Fe/Nfe) Welding machine
Sensor name	XS9
Sensor design	Form 40 x 40 x 70
Size	70 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Plastic
Enclosure material	PBT
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	20 mm
Discrete output function	1 NO + 1 NC
Output circuit type	DC
Discrete output type	NPN
Electrical connection	4 pins M12 male connector
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA with overload and short-circuit protection
IP degree of protection	IP65 conforming to IEC 60529 IP67 conforming to IEC 60529 IP69K conforming to DIN 40050

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Complementary

Detection face	5 positions turret head
Front material	PBT
Operating zone	0...16 mm
Differential travel	3...15% of Sr
Repeat accuracy	<= 3% of Sr
Electromagnetic compatibility	Immunity to magnetic fields at 250 mT
Status LED	1 LED green for supply on 1 LED yellow for output state
Supply voltage limits	10...36 V DC
Switching frequency	<= 250 Hz
Voltage drop	<= 2 V at closed state
Current consumption	0...30 mA at no-load
Delay first up	<= 15 ms
Delay response	<= 2.5 ms
Delay recovery	<= 2.5 ms
Marking	CE
Height	40 mm
Length	40 mm

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Width	70 mm
Product weight	0.149 kg

Environment

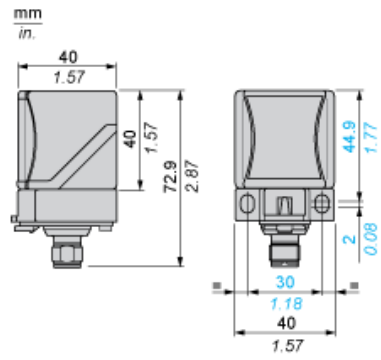|	
Product certifications	CCC CSA UL
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn for 11 ms conforming to EN 60068-2-27

Offer Sustainability

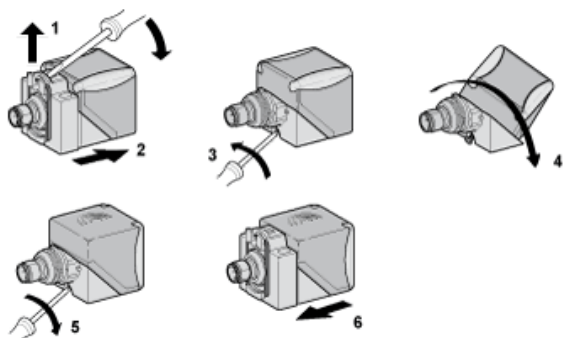|	
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1336 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

Contractual warranty

Warranty period	18 months

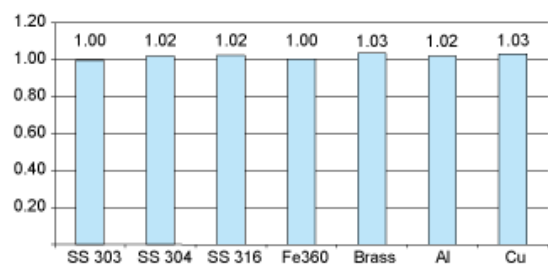Schneider Electric

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Dimensions

Mounting

Head Positions

Setting-up

Sensing Distance Correction Factor
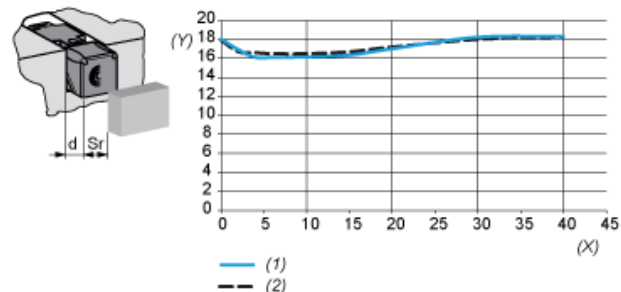

SS : Stainless steel
Fe : Steel
Al : Aluminium
Cu : Copper

Setting-up

Operating Distance (According to the Sensor's Level of Flush Mounting)

(y)   Sensing distance (Sr) mm
(x)   Sensing face/frame distance (d) mm
(1)   Flush mounted in aluminium
(2)   Flush mounted in Fe360

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Wiring Schemes

4-Wire DC