## XS9C2A1NCM12

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





#### 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	1224 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

Complementary	
Detection face	5 positions turret head
Front material	PBT
Operating zone	016 mm
Differential travel	315% of Sr
Repeat accuracy	<= 3% of Sr
Electromagnetic compatibility	Immunity to magnetic fields at 250 mT
Status LED	LED green for supply on     LED yellow for output state
Supply voltage limits	1036 V DC
Switching frequency	<= 250 Hz
Voltage drop	<= 2 V at closed state
Current consumption	030 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

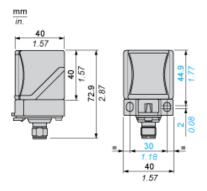
The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not inherent or and is not to be used for determining suitability or inhability of these products for specific user applications. It is the dourn aren in integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Width	70 mm
Product weight	0.149 kg
Environment	
Product certifications	CCC
Product certifications	CSA
	UL
Ambient air temperature for operation	-2570 °C
Ambient air temperature for storage	-4085 °C
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 1055 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 conformi-
	ty 🗗 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	
Contractual warranty	
Warranty period	18 months

# Product data sheet Dimensions Drawings

# XS9C2A1NCM12

#### **Dimensions**

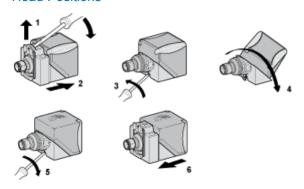


## Product data sheet **Mounting and Clearance**

## XS9C2A1NCM12

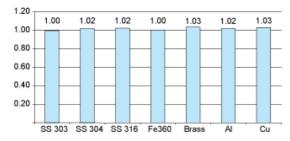
#### Mounting

#### **Head Positions**



#### Setting-up

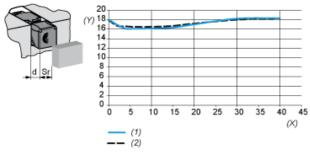
#### Sensing Distance Correction Factor



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

#### Setting-up

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



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

## Product data sheet Connections and Schema

# XS9C2A1NCM12

## Wiring Schemes

#### 4-Wire DC

