Product data sheet
Characteristics

XS9D111A2L2
Inductive proximity sensors XS, inductive sensor XS9 80x80x26, PBT, Sn40mm, 24 VDC, cable 2 m

Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	Application
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS9
Sensor design	Flat form 80 x 80 x 26
Size	26 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Plastic
Enclosure material	PBT
Type of output signal	Analogue
Wiring technique	2-wire
[Sn] nominal sensing distance	40 mm
Output circuit type	DC
Analogue output range	4...20 mA
Electrical connection	Cable
Cable length	2 m
[Us] rated supply voltage	24 V DC
IP degree of protection	IP68 double insulation conforming to IEC 60529

Complementary

Detection face	Frontal
Front material	PBT
Operating zone	5…40 mm
Repeat accuracy	<= 3% of Sr
Linearity error	+/- 2 mA
Cable composition	3 x 0.34 mm²
Wire insulation material	PvR
Status LED	Without
Supply voltage limits	15…36 V DC
Switching frequency	<= 100 Hz
Current consumption	0...4 mA no-load
Maximum output current drift	10 %
Marking	CE
Depth	26 mm
Height	80 mm
Width	80 mm

Environment

Product certifications	UL CSA Ecolab
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 IEC 60068-2-27

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	426 g
Package 1 Height	6.6 cm
Package 1 width	9.5 cm
Package 1 Length	13.2 cm
Unit Type of Package 2	S01
Number of Units in Package 2	7
Package 2 Weight	3.17 kg
Package 2 Height	15 cm
Package 2 width	15 cm
Package 2 Length	40 cm

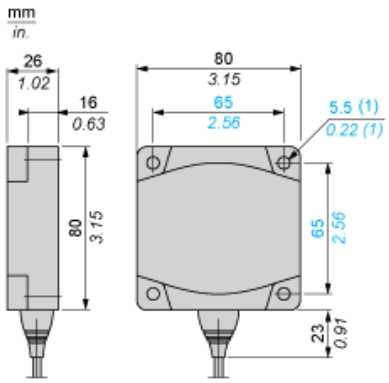
Offer Sustainability

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

Contractual warranty

Warranty	18 months

Dimensions



(1) For CHC type screws

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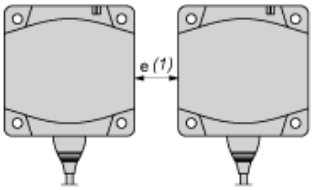
Setting-up

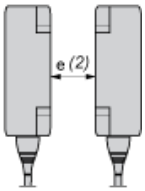
Minimum Mounting Distances (mm)

Side by Side



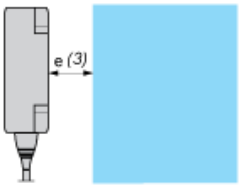
e (1) 120
≥

Face to Face



e (2) 300
≥

Facing a Metal Object



e (3) 120
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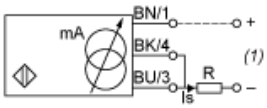
Wiring Schemes

2-Wire Connection



BU : Blue
BN : Brown
BK : Black
(1) Output current

Ensure a minimum of 10 V between the + (terminal 1) and - (terminal 3) of the sensor

	Output current	Load impedance value
12 V	4...20 mA	R ≤ 8.2 Ω
24 V	4...20 mA	R ≤ 470 Ω

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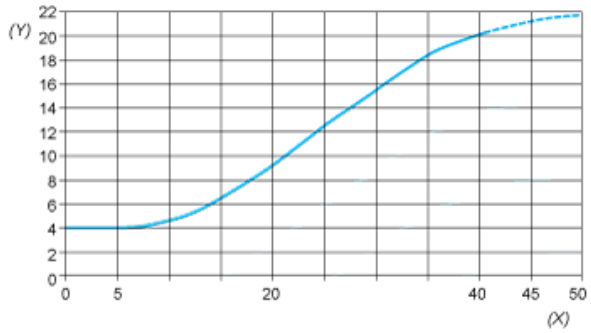
Output Curves



(Y) Is (mA)
(X) Sensors - object distance (mm)