

XS8C1A1NAL01M12

Inductive proximity sensors XS, inductive sensor XS8 40x40x15, PBT, Sn25mm, 12...24 VDC, M12 0.15 m



Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS8
Sensor design	Flat form 40 x 40 x 15
Size	15 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Plastic
Enclosure material	PBT
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	15 Mm flush mountable 25 mm non flush mountable
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	NPN
Electrical connection	Remote male connector M12, 4 pins
Cable length	0.15 m
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA DC with overload and short-circuit protection
IP degree of protection	IP67 double insulation conforming to IEC 60529

Complementary

Detection face	Frontal
Front material	PBT
Fine adjustment zone	8...15 Mm flush mountable 8...25 mm non flush mountable
Differential travel	1...15% of Sr
Wire insulation material	PvR
Supply voltage limits	10...36 V DC
Maximum residual current	1.5 mA open state
Switching frequency	<= 1000 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	10 ms
Maximum delay response	0.3 ms
Maximum delay recovery	0.8 ms
Marking	CE
Depth	15 mm
Height	40 mm
Width	40 mm

Environment

Product certifications	Ecolab 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 IEC 60068-2-27

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	88 g
Package 1 Height	6.5 cm
Package 1 width	9.5 cm
Package 1 Length	4.1 cm

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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Technical drawing of the 1000 Series 1/2" tool, showing three views: side, front, and end view. Dimensions are provided in millimeters (mm) and inches (in.).

Side View Dimensions:

- Top width: 15 mm (0.59 in.)
- Top offset: 9.8 mm (0.39 in.)
- Height: 40 mm (1.57 in.)

Front View Dimensions:

- Top width: 40 mm (1.57 in.)
- Top offset: 33 mm (1.30 in.)
- Height: 33 mm (1.30 in.)
- Bottom offset: 14 mm (0.55 in.)
- Bottom width: 13.6 mm (0.54 in.)
- Bottom offset: 8.3 mm (0.33 in.)

End View Dimensions:

- Top diameter: Ø13.5 mm (Ø0.53 in.)
- Height: 46.8 mm (1.84 in.)
- Bottom diameter: Ø14.8 mm (Ø0.59 in.)

Notes:

- (1) Dimension line for 33 mm (1.30 in.)
- (2) Dimension line for 13.6 mm (0.54 in.)

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Setting-up

Minimum Mounting Distances (mm)

Side by Side



Face to Face



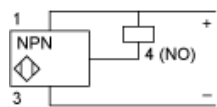
Facing a Metal Object



	e (1)	e (2)	e (3)
Flush mounted	60	120	15
Not flush mounted	125	250	

Wiring Schemes

NPN



M12

