

XS130B3NAM12

Inductive proximity sensors XS, inductive sensor XS1 M30, L55mm, brass, Sn15mm, 12...24 VDC, M12



Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	Mobile equipment
Sensor name	XS1
Sensor design	Cylindrical M30
Size	55 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	15 mm
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	NPN
Electrical connection	Male connector M12, 4 pins
[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

Complementary

Thread type	M30 x 1.5
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel plated brass
Operating zone	0...12 mm
Differential travel	1...15% of Sr
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10...36 V DC
Switching frequency	<= 500 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	10 ms
Maximum delay response	0.6 ms
Maximum delay recovery	1.4 ms
Marking	CE
Threaded length	32 mm
Length	55 mm
Net weight	0.13 kg

Environment

Product certifications	E2 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	127 g
Package 1 Height	6.5 cm
Package 1 width	4.2 cm
Package 1 Length	9.5 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
Circularity Profile	End Of Life Information

Contractual warranty

Warranty	18 months
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Technical drawing of a Tee fitting, showing dimensions in millimeters (mm) and inches (in.).

Top View Dimensions:

- Overall width: 36 mm (1.41 in.)

Side View Dimensions:

- Total length: 54.3 mm (2.13 in.)
- Length of first threaded section: 32.6 mm (1.28 in.)
- Length of second threaded section: 4.7 mm (0.18 in.)
- Length of third threaded section: 13.7 mm (0.53 in.)
- Length of fourth threaded section: 15.3 mm (0.60 in.)
- Length of fifth threaded section: 4 mm (0.15 in.)
- Thread specifications: M30x1.5, M12x1
- Feature (1) is indicated on the side view.

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Minimum Mounting Distances

Side by side



e (1) 30 mm/1.18 in.

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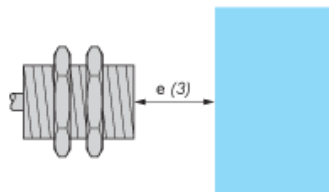
Face to face



e (2) 180 mm/7.09 in.

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Facing a metal object



e (3) 45 mm/1.77 in.

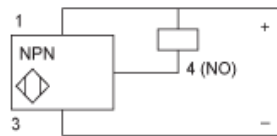
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Wiring Schemes

M12 connector



NPN



- 1 : (+)
- 2 : Not connected
- 3 : (-)
- 4 : NO Output