

Product datasheet

Specifications



inductive sensor XS1 M30 - L45mm
- brass - Sn15mm - 12..24VDC -
cable 2m

XS130B3NAL2

XS130B3NAL2 has not been replaced. Please contact your customer care centre for more information.

⚠ Discontinued

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	45 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	Cable
Cable length	2 m
[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
Cable composition	3 x 0.34 mm²
Wire insulation material	PvR
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	45 mm
Net weight	0.18 kg

Environment

Product certifications	CSA E2 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

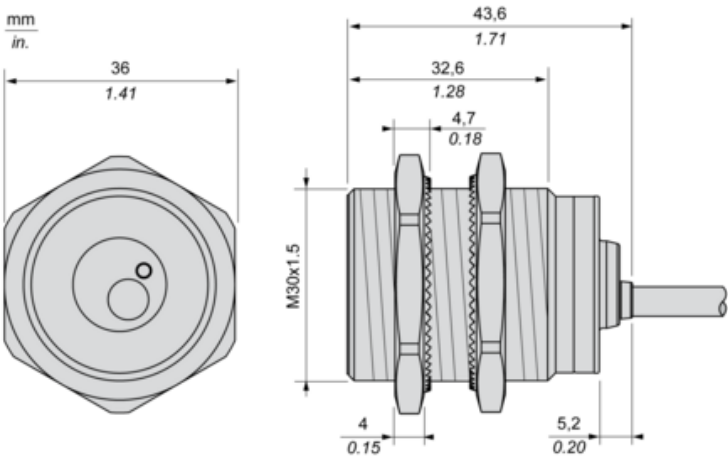
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	176.0 g
Package 1 Height	13 cm
Package 1 width	4.1 cm
Package 1 Length	9.4 cm
Unit Type of Package 2	BAG
Number of Units in Package 2	1
Package 2 Weight	125.0 g
Package 2 Height	3.5 cm
Package 2 width	25 cm
Package 2 Length	20 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)

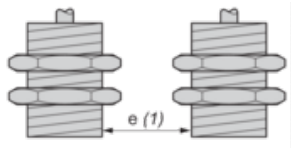
EU RoHS Declaration	
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
Contractual warranty	
Warranty	18 months

Dimensions



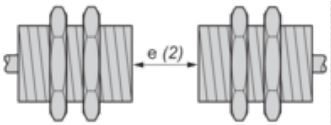
Minimum Mounting Distances

Side by side



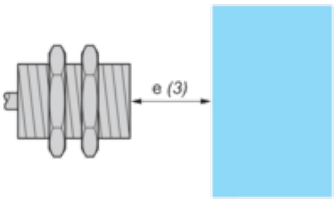
$e\ (1) \geq 30\text{ mm}/1.18\text{ in.}$

Face to face



$e\ (2) \geq 180\text{ mm}/7.09\text{ in.}$

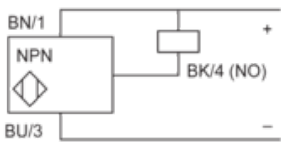
Facing a metal object



$e\ (3) \geq 45\text{ mm}/1.77\text{ in.}$

Wiring Schemes

NPN



- BU : Blue
- BN : Brown
- BK : Black