

Product data sheet

XS612B1MAL2

Inductive sensor, XS6, M12, brass, Sn 4 mm, cable 2 m, L54 mm, 24...240 VAC/DC

Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor name	XS6
Sensor type	Inductive proximity sensor
Sensor design	Cylindrical M12
ETIM classification	ETIM 9 - EC002714 - Inductive proximity switch
Body type	Fixed
Material	Metal
Front material	PPS
Enclosure material	Nickel plated brass
[Sn] nominal sensing distance	4 mm
Wiring technique	2-wire
Detector flush mounting acceptance	Flush mountable
Delay response	0.5 ms
Thread type	M12 x 1
Product certifications	CSA UL
Marking	CE
Indivisible sale quantity	1

Complementary

Sensing range	> 2.5...4 mm
Electrical connection	Cable
Cable length	2 m
Cable composition	2 x 0.34 mm²
Wire insulation material	PVC
Supply voltage limits	20-264 V AC/DC
[Us] rated supply voltage	24...240 V AC/DC 50/60 Hz
Switching capacity in mA	5...200 mA AC/DC

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This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
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Voltage drop	<5.5 V (closed)
Status LED	Output state: 1 LED (yellow)
Output circuit type	AC/DC
Type of output signal	Discrete
Detection face	Frontal
Discrete output function	1 NO
Switching frequency	<= 1000 Hz DC, <= 25 Hz AC
Differential travel	1...15 % of Sr
Delay first up	20 ms
Delay recovery	0.2 ms
Residual current	0.8 mA open state
Threaded length	42 mm
Length	54 mm
Size	54 mm
Product weight	0.075 kg

Environment

IP degree of protection	IP68 double insulation conforming to IEC 60529, IP69K conforming to DIN 40050
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 10-55 Hz) conforming to IEC 60068-2-6

Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Warranty

Warranty	18 months

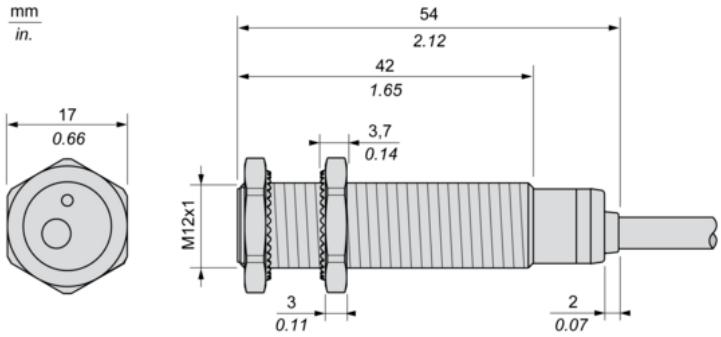
Packing Units

Country of origin	ID (Indonesia)
Unit type of package 1	PCE
Number of units in package 1	1
New Package 1 GTIN-13	3666916012987
Package 1 height	2.5 cm
Package 1 width	11.7 cm
Package 1 length	12.2 cm

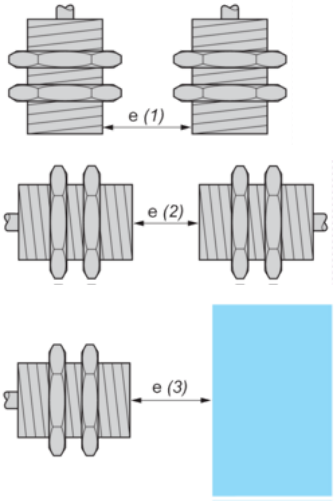
Package 1 weight	0.075 kg
Unit type of package 2	S03
Number of units in package 2	44
New Package 2 GTIN 14	13666916012984
Package 2 height	30 cm
Package 2 width	30 cm
Package 2 length	40 cm
Package 2 weight	4.805 kg
Unit type of package 3	CAR
Number of units in package 3	1
New Package 3 GTIN 14	23666916012981
Package 3 height	4.1 cm
Package 3 width	9.6 cm
Package 3 length	13 cm
Package 3 weight	0.093 kg

Technical Drawings

Dimensions

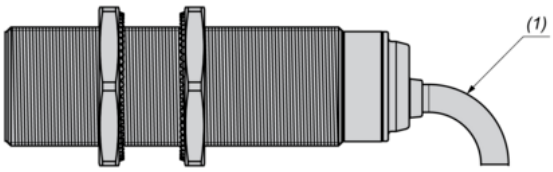


Minimum Mounting Distances



Side by side
e (1) ≥
Face to face
e (2) ≥
Facing a metal object
e (3) ≥

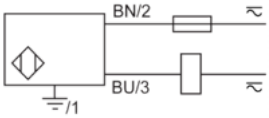
Mounting



(1)

Wiring Schemes

2-Wire AC or DC



NO output
BU :
BN :