XS612B1MBL2

Inductive proximity sensors XS, inductive sensor XS6 M12, L54mm, brass, Sn4mm, 24...240VAC/DC, cable 2 m

Main

Range of Product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor Type	Inductive proximity sensor
Sensor name	XS6
Sensor design	Cylindrical M12
Size	54 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Type of output signal	Discrete
Wiring Technique	2-wire
[Sn] nominal sensing distance	0.16 in (4 mm)
Discrete output function	1 NC
Output circuit type	AC/DC
Electrical connection	Cable
Cable length	6.56 ft (2 m)
[Us] rated supply voltage	24...240 V AC/DC 50/60 Hz
Switching capacity in mA	5...200 mA AC/DC
IP degree of protection	IP68 double insulation conforming to IEC 60529 IP69K conforming to DIN 40050

Complementary

Thread type	M12 x 1
Detection face	Frontal
Front material	PPS
Enclosure Material	Nickel Plated Brass
Sensing range	> 0.1...0.16 in (> 2.5...4 mm)
Operating zone	0.00…0.13 in (0…3.2 mm)
Differential travel	1...15% of Sr
Cable composition	2 x 0.34 mm²
Wire insulation material	PvR
Status LED	Output state 1 LED yellow)
Supply voltage limits	20…264 V AC/DC
Maximum residual current	0.8 mA open state
Switching frequency	<= 1000 Hz DC <= 25 Hz AC
Maximum voltage drop	<5.5 V closed)
Maximum delay first up	20 ms
Maximum delay response	0.5 ms
Maximum delay recovery	0.2 ms
Marking	CE
Threaded length	1.65 in (42 mm)
Length	2.13 in (54 mm)
Net Weight	0.17 lb(US) (0.075 kg)

Environment

Product Certifications	UL CSA
Ambient air temperature for operation	-13…158 °F (-25…70 °C)
Ambient Air Temperature for Storage	-40…185 °F (-40…85 °C)
Vibration resistance	25 gn +/- 2 mm 10…55 Hz)IEC 60068-2-6
Shock resistance	50 gn 11 ms IEC 60068-2-27

Ordering and shipping details

Category	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	3389110147223
Nbr. of units in pkg.	1
Package weight(Lbs)	3.28 oz (93 g)
Returnability	Yes
Country of origin	ID

Packing Units

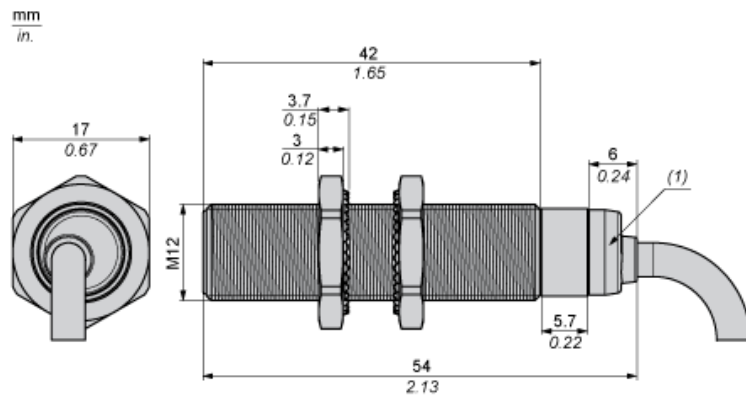|	
Unit Type of Package 1	PCE
Package 1 Height	1.65 in (4.2 cm)
Package 1 width	5.20 in (13.2 cm)
Package 1 Length	3.82 in (9.7 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
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
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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Dimensions

mm
in.

(1)   LED

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Minimum Mounting Distances

Side by side

e (1) 8 mm/0.31 in.
≥

Face to face

e (2) 48 mm/1.89 in.
≥

Facing a metal object

e (3) 12 mm/0.47 in.
≥

Mounting

(1)   Bending cable: 4 x external cable diameter

Wiring Schemes

2-Wire AC or DC

NC output

BN/2

BU/3

/1

BU : Blue
BN : Brown