XS612B1MAU20

Inductive proximity sensors XS, inductive sensor XS6 M12, L61mm, brass, Sn4mm, 24...240VAC/DC, 1/2"

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	61 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	0.2 in (4 mm)
Discrete output function	1 NO
Output circuit type	AC/DC
Electrical connection	Male connector 1/2"20 UNF, 3 pins
[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	IP67 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	0.0000000000…0.1 in (0…3.2 mm)
Differential travel	1...15% of Sr
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	1.7 in (42 mm)
Length	2.4 in (61 mm)
Net Weight	0.055 lb(US) (0.025 kg)

Environment

Product Certifications	CSA[RETURN]UL
Ambient Air Temperature for Operation	-13.0000000000…158.0000000000 °F (-25…70 °C)
Ambient Air Temperature for Storage	-40.0000000000…185.0000000000 °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	US10DS222486
Discount Schedule	0DS2
GTIN	3389110147230
Returnability	Yes
Country of origin	SG

Packing Units

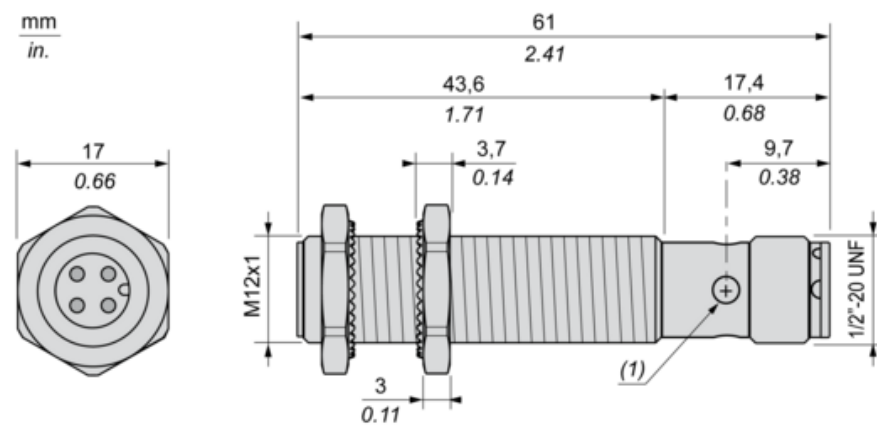|	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.102 in (2.800 cm)
Package 1 Width	2.087 in (5.300 cm)
Package 1 Length	3.858 in (9.800 cm)
Package 1 Weight	1.093 oz (31.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	44
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	4.083 lb(US) (1.852 kg)

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
Circularity Profile	End of Life Information
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

Warranty	18 months

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Dimensions

(1) : LED

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.

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Wiring Schemes

1/2"-20UNF

1 : Grounding

2 : AC

3 : AC

NO output