Product data sheet Characteristics

XS618B1MAU20

Inductive proximity sensors XS, inductive sensor XS6 M18, L73mm, brass, Sn8mm, 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 M18
Size	73 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	0.31 in (8 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	24240 V AC/DC 50/60 Hz
Switching capacity in mA	5200 mA DC 5300 mA AC
IP degree of protection	IP67 conforming to IEC 60529 IP69K conforming to DIN 40050

Complementary

Complementary		
Thread type	M18 x 1	
Detection face	Frontal	
Front material	PPS	
Enclosure Material	Nickel Plated Brass	
Sensing range	> 0.160.31 in (> 48 mm)	
Operating zone	0.000.25 in (06.4 mm)	
Differential travel	115% of Sr	
Status LED	Output state 1 LED yellow)	
Supply voltage limits	20264 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	25 ms	
Maximum delay response	0.5 ms	
Maximum delay recovery	0.5 ms	
Marking	CE	
Threaded length	2.05 in (52 mm)	
Length	2.87 in (73 mm)	
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Environment

Product Certifications	CSA UL
Ambient air temperature for operation	-13158 °F (-2570 °C)
Ambient Air Temperature for Storage	-40185 °F (-4085 °C)
Vibration resistance	25 gn +/- 2 mm 1055 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	3389110147308
Nbr. of units in pkg.	1
Package weight(Lbs)	2.65 oz (75 g)
Returnability	Yes
Country of origin	ID

Packing Units

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Unit Type of Package 1	PCE
Package 1 Height	2.56 in (6.5 cm)
Package 1 width	3.74 in (9.5 cm)
Package 1 Length	1.57 in (4 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	44
Package 2 Weight	8.28 lb(US) (3.755 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

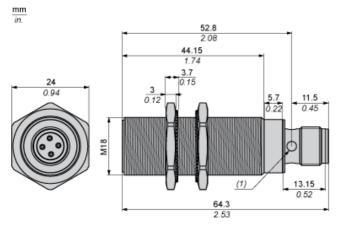
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to 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) EPEU 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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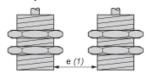
Dimensions



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Minimum Mounting Distances

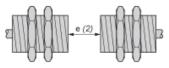
Side by side



e (1) 16 mm/0.63 in.

≥

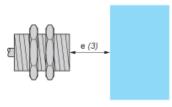
Face to face



e (2) 100 mm/3.94 in.

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Facing a metal object



e (3) 25 mm/0.98 in

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Product data sheet Connections and Schema

XS618B1MAU20

Wiring Schemes

1/2"-20UNF 1/2"-20UNF



1: Grounding 2: AC

3: AC

NO output

