XS1M18MA250L1

inductive sensor XS1 M18 - L60mm - brass - Sn5mm - 24..240VAC/DC - cable 5m





Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Wiring configuration	2-wire
Output circuit type	AC/DC
Protection type	Short-circuit protection multi voltage
Device application	2-wire DC short-circuit protection
Sensor name	XS1
Sensor design	Cylindrical M18
Size	60 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	0.20 in (5 mm)
Discrete output function	1 NO
Electrical connection	Cable
Cable length	16.40 ft (5 m)
[Us] rated supply voltage	24210 V DC 24240 V AC 50/60 Hz
Switching capacity in mA	5300 mA AC overload and short-circuit protection 5200 mA DC overload and short-circuit protection
IP degree of protection	IP68 double insulation IEC 60529

Complementary

Complementary	
Thread type	M18 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel plated brass
Operating zone	0.000.16 in (04 mm)
Differential travel	115% of Sr
Cable composition	2 x 0.34 mm ²
Wire insulation material	PvR
Status LED	Output state 1 LED yellow) Supply on 1 LED green)
Maximum residual current	1.5 mA open state
Switching frequency	<= 2000 Hz DC <= 25 Hz AC
Maximum voltage drop	<5.5 V closed state)
Maximum delay first up	70 ms
Maximum delay response	2 ms
Maximum delay recovery	4 ms
Marking	CE
Threaded length	2.01 in (51 mm)
Height	0.71 in (18 mm)

Length	2.36 in (60 mm)
Net weight	0.53 Lb(US) (0.24 kg) 0.26 lb(US) (0.12 kg)

Environment

Product certifications	CCC 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 60068-2-7

Ordering and shipping details

0 11 0	
Category	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	00785901915690
Nbr. of units in pkg.	1
Package weight(Lbs)	0.59 lb(US) (0.27 kg)
Returnability	No
Country of origin	FR

Packing Units

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Unit Type of Package 1	PCE
Package 1 Height	2.64 in (6.7 cm)
Package 1 width	3.74 in (9.5 cm)
Package 1 Length	5.20 in (13.2 cm)
Unit Type of Package 2	BAG
Number of Units in Package 2	1
Package 2 Weight	7.09 oz (201 g)
Package 2 Height	1.77 in (4.5 cm)
Package 2 width	9.84 in (25 cm)
Package 2 Length	7.87 in (20 cm)
Unit Type of Package 3	S02
Number of Units in Package 3	14
Package 3 Weight	6.95 lb(US) (3.152 kg)
Package 3 Height	5.91 in (15 cm)
Package 3 width	11.81 in (30 cm)
Package 3 Length	15.75 in (40 cm)

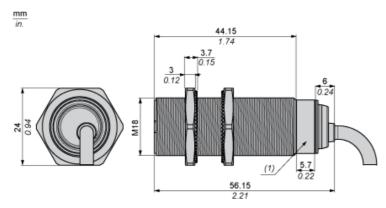
Offer Sustainability

Green Premium product
Pro-active compliance (Product out of EU RoHS legal scope)
Yes
€Yes
Product Environmental Profile
[™] End Of Life Information

Contractual warranty

Warranty	18 months

Dimensions



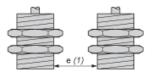
(1) LED

Product data sheet Mounting and Clearance

XS1M18MA250L1

Minimum Mounting Distances

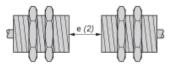
Side by side



e (1) 10 mm/0.39 in.

2

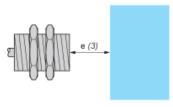
Face to face



e (2) 60 mm/2.36 in.

≥

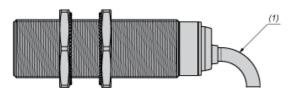
Facing a metal object



e (3) 15 mm/0.60 in

≥

Mounting



(1) Bending cable: 4 x external cable diameter

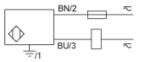
Product data sheet Connections and Schema

XS1M18MA250L1

Wiring Schemes

2-Wire AC or DC

NO output



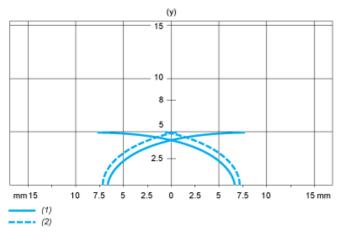
BU: Blue BN: Brown

Product data sheet **Performance Curves**

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Performance Curves

Standard Steel Target: 18x18x1 mm



- (1) Pick-up points(2) Drop-out points (object approaching from the side)
- (y) Sensing distance in mm

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