## XS1M30MB250

Inductive proximity sensors XS, inductive sensor XS1 M30, L60mm, brass, Sn10mm, 24...240VAC/DC, cable 2 m





#### Main

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 M30  Size 60 mm  Body type Fixed  Detector flush mounting acceptance  Material Metal  Type of output signal Discrete  Wiring Technique 2-wire  [Sn] nominal sensing distance  Discrete output function 1 NC  Electrical connection Cable  Cable length 6.56 ft (2 m)  [Us] rated supply voltage 24210 V DC  Switching capacity in mA Size of	Range of Product	Telemecanique Inductive proximity sensors XS	
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 M30 Size 60 mm Body type Fixed Detector flush mounting acceptance Material Metal Type of output signal Discrete Wiring Technique 2-wire [Sn] nominal sensing distance Discrete output function 1 NC Electrical connection Cable Cable length 6.56 ft (2 m) [Us] rated supply voltage 24210 V DC 24240 V AC 50/60 Hz Switching capacity in mA Signal Short-circuit protection short-circuit protection 5200 mA AC overload and short-circuit protection 5200 mA DC overload and short-circuit protection	Series name	General purpose	
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 M30  Size 60 mm  Body type Fixed  Detector flush mounting acceptance  Material Metal  Type of output signal Discrete  Wiring Technique 2-wire  [Sn] nominal sensing distance  Discrete output function 1 NC  Electrical connection Cable  Cable length 6.56 ft (2 m)  [Us] rated supply voltage 24240 V AC 50/60 Hz  Switching capacity in mA  Switching capacity in 5300 mA AC overload and short-circuit protection for the short-circuit protection of the short-circuit protection for the short-circuit protection fo	Sensor Type	Inductive proximity sensor	
Protection type Short-circuit protection multi voltage  Device Application 2-wire DC short-circuit protection  Sensor name XS1  Sensor design Cylindrical M30  Size 60 mm  Body type Fixed  Detector flush mounting acceptance  Material Metal  Type of output signal Discrete  Wiring Technique 2-wire  [Sn] nominal sensing distance  Discrete output function 1 NC  Electrical connection Cable  Cable length 6.56 ft (2 m)  [Us] rated supply voltage 24240 V AC 50/60 Hz  Switching capacity in mA  Sensor design 2-wire protection multi voltage  Short-circuit protection multi voltage  2-wire protection multi voltage  August DC short-circuit protection short-circuit protection 5200 mA AC overload and short-circuit protection 5200 mA DC overload and short-circuit protection	Wiring configuration	2-wire	
Device Application 2-wire DC short-circuit protection  Sensor name XS1  Sensor design Cylindrical M30  Size 60 mm  Body type Fixed  Detector flush mounting acceptance  Material Metal  Type of output signal Discrete  Wiring Technique 2-wire  [Sn] nominal sensing distance  Discrete output function 1 NC  Electrical connection Cable  Cable length 6.56 ft (2 m)  [Us] rated supply voltage 24240 V AC 50/60 Hz  Switching capacity in mA  Suppose Supply Supplied Short-circuit protection for supplied to the control of	Output circuit type	AC/DC	
Sensor name XS1 Sensor design Cylindrical M30 Size 60 mm  Body type Fixed  Detector flush mounting acceptance  Material Metal Type of output signal Discrete  Wiring Technique 2-wire  [Sn] nominal sensing distance  Discrete output function 1 NC  Electrical connection Cable  Cable length 6.56 ft (2 m)  [Us] rated supply voltage 24210 V DC 24240 V AC 50/60 Hz  Switching capacity in mA  Switching capacity in 5300 mA AC overload and short-circuit protection 5200 mA DC overload and short-circuit protection	Protection type	Short-circuit protection multi voltage	
Sensor design Cylindrical M30 Size 60 mm  Body type Fixed Detector flush mounting acceptance Material Metal Type of output signal Wiring Technique 2-wire [Sn] nominal sensing distance Discrete output function Electrical connection Cable Cable length 6.56 ft (2 m) [Us] rated supply voltage Switching capacity in mA Supplementation Supplementation Cylindrical M30 Fixed Fush Metal Discrete Verification Flush mountable Cable Cable Campath  1 NC Cable	Device Application	2-wire DC short-circuit protection	
Size 60 mm  Body type Fixed  Detector flush mounting acceptance  Material Metal  Type of output signal Discrete  Wiring Technique 2-wire  [Sn] nominal sensing distance  Discrete output function 1 NC  Electrical connection Cable  Cable length 6.56 ft (2 m)  [Us] rated supply voltage 24210 V DC voltage 24240 V AC 50/60 Hz  Switching capacity in mA  Size 60 mm  Flush mountable  Flush mountable  1 NC  Cable  Cable  2-wire  0.39 in (10 mm)  1 NC  Electrical connection Cable  Cable 1 Cable  24210 V DC  24210 V DC  24240 V AC 50/60 Hz  Switching capacity in 5300 mA AC overload and short-circuit protection 5200 mA DC overload and short-circuit protection	Sensor name	XS1	
Body type Fixed  Detector flush mounting acceptance  Material Metal  Type of output signal Discrete  Wiring Technique 2-wire  [Sn] nominal sensing distance  Discrete output function 1 NC  Electrical connection Cable  Cable length 6.56 ft (2 m)  [Us] rated supply voltage 24210 V DC 24240 V AC 50/60 Hz  Switching capacity in mA  Switching capacity in 5300 mA AC overload and short-circuit protection 5200 mA DC overload and short-circuit protection	Sensor design	Cylindrical M30	
Detector flush mounting acceptance  Material Metal  Type of output signal Discrete  Wiring Technique 2-wire  [Sn] nominal sensing distance  Discrete output function 1 NC  Electrical connection Cable  Cable length 6.56 ft (2 m)  [Us] rated supply voltage 24210 V DC 24240 V AC 50/60 Hz  Switching capacity in mA  Switching capacity in 5300 mA AC overload and short-circuit protection 5200 mA DC overload and short-circuit protection	Size	60 mm	
acceptance  Material Metal  Type of output signal Discrete  Wiring Technique 2-wire  [Sn] nominal sensing distance  Discrete output function 1 NC  Electrical connection Cable  Cable length 6.56 ft (2 m)  [Us] rated supply voltage 24210 V DC 24240 V AC 50/60 Hz  Switching capacity in mA  Switching capacity in 5300 mA AC overload and short-circuit protection 5200 mA DC overload and short-circuit protection	Body type	Fixed	
Type of output signal  Discrete  Wiring Technique  [Sn] nominal sensing distance  Discrete output function  TNC  Electrical connection  Cable  Cable length  6.56 ft (2 m)  [Us] rated supply voltage  24210 V DC 24240 V AC 50/60 Hz  Switching capacity in mA  Switching capacity in 5300 mA AC overload and short-circuit protection 5200 mA DC overload and short-circuit protection	•	Flush mountable	
Wiring Technique 2-wire  [Sn] nominal sensing distance  Discrete output function 1 NC  Electrical connection Cable  Cable length 6.56 ft (2 m)  [Us] rated supply voltage 24210 V DC 24240 V AC 50/60 Hz  Switching capacity in mA Supply Supply 25300 mA AC overload and short-circuit protection 5200 mA DC overload and short-circuit protection	Material	Metal	
[Sn] nominal sensing distance  Discrete output function  1 NC  Electrical connection  Cable  Cable length  6.56 ft (2 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	Type of output signal	Discrete	
distance  Discrete output function 1 NC  Electrical connection Cable  Cable length 6.56 ft (2 m)  [Us] rated supply 24210 V DC voltage 24240 V AC 50/60 Hz  Switching capacity in mA AC overload and short-circuit protection 5200 mA DC overload and short-circuit protection	Wiring Technique	2-wire	
Electrical connection  Cable  Cable length  6.56 ft (2 m)  [Us] rated supply voltage  24210 V DC 24240 V AC 50/60 Hz  Switching capacity in mA  Switching capacity in 5300 mA AC overload and short-circuit protection 5200 mA DC overload and short-circuit protection		0.39 in (10 mm)	
Cable length 6.56 ft (2 m)  [Us] rated supply 24210 V DC voltage 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	Discrete output function	1 NC	
[Us] rated supply 24210 V DC voltage 24240 V AC 50/60 Hz  Switching capacity in mA	Electrical connection	Cable	
voltage 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	Cable length	6.56 ft (2 m)	
mA 5200 mA DC overload and short-circuit protection			
IP degree of protection IP68 double insulation conforming to IEC 60529		•	
	IP degree of protection	IP68 double insulation conforming to IEC 60529	

#### Complementary

Complementary		
Thread type	M30 x 1.5	
Detection face	Frontal	
Front material	PPS	
Enclosure Material	Nickel Plated Brass	
Operating zone	0.000.31 in (08 mm)	
Differential travel	115% of Sr	
Cable composition	2 x 0.34 mm²	
Wire insulation material	PvR	
Status LED	Output state 1 LED yellow) Supply on 1 LED green)	
Supply voltage limits	20264 V AC/DC	
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	5 ms	
Marking	CE	

There de delegants	0.04 : (54)	
Threaded length	2.01 in (51 mm)	
Length	2.36 in (60 mm)	
Net Weight	0.45 lb(US) (0.205 kg)	
Environment		
Product Certifications	CCC	
	CSA	
	111	

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

ordoning and empling detaile	
22486 - SENSORS, PROXIMITY	
DS2	
3389110916133	
1	
6.67 oz (189 g)	
No	
FR	

#### **Packing Units**

racking office		
Unit Type of Package 1	age 1 PCE	
Package 1 Height	1.65 in (4.2 cm)	
Package 1 width	3.74 in (9.5 cm)	
Package 1 Length	5.20 in (13.2 cm)	
Unit Type of Package 2	S03	
Number of Units in Package 2	44	
Package 2 Weight	19.45 lb(US) (8.822 kg)	
Package 2 Height	11.81 in (30 cm)	
Package 2 width	11.81 in (30 cm)	
Package 2 Length	15.75 in (40 cm)	
Package 3 Height	11.81 in (30 cm)	

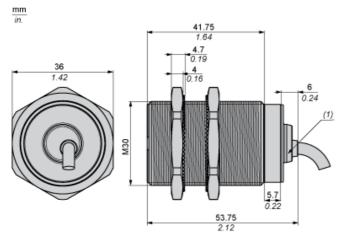
#### Offer Sustainability

Sustainable offer status	Green Premium product	
California proposition 65  WARNING: This product can expose you to chemicals includi phthalate (DINP), which is known to the State of California to and Di-isodecyl phthalate (DIDP), which is known to the State to cause birth defects or other reproductive harm. For more in 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	<sup>€</sup> End Of Life Information	

#### Contractual warranty

Warranty	18 n	nonths
vvarranty	10 11	ionuis
•		

#### **Dimensions**

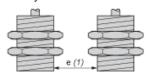


(1) LED

# XS1M30MB250

#### Minimum Mounting Distances

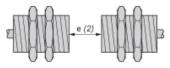
#### Side by side



e (1) 20 mm/0.79 in

≥

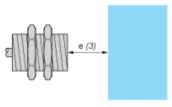
Face to face



e (2) 120 mm/4.72 in

≥

Facing a metal object



e (3) 30 mm/1.18 in.

≥

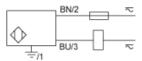
### Product data sheet Connections and Schema

# XS1M30MB250

### Wiring Schemes

#### 2-Wire AC or DC

NC output

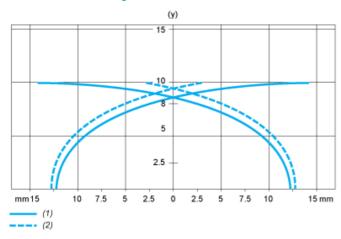


BU: Blue BN: Brown

# XS1M30MB250

#### **Performance Curves**

#### Standard Steel Target: 30x30x1 mm



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