# Product data sheet Characteristics

# XS1M30AB120

Inductive proximity sensors XS, inductive sensor XS1 M30, L50mm, brass, Sn10mm, 12...24 VDC, cable 2 m



#### Main

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Range of Product	Telemecanique Inductive proximity sensors XS	
Series name	Application	
Sensor Type	Inductive proximity sensor	
Electrical circuit type	Analog output	
Sensor name	XS1	
Sensor design	Cylindrical M30	
Size	54 mm	
Body type	Fixed	
Detector flush mounting acceptance	Flush mountable	
Material	Metal	
Type of output signal	Analogue	
Wiring Technique	2-wire	
[Sn] nominal sensing distance	0.39 in (10 mm)	
Discrete output function	1 NC	
Output circuit type	DC	
Analogue output range	420 mA	
Electrical connection	Cable	
Cable length	6.56 ft (2 m)	
[Us] rated supply voltage	1224 V DC	
IP degree of protection	IP67 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	0.040.39 in (110 mm)
Repeat accuracy	<= 3% of Sr
Linearity error	+/- 2 mA
Cable composition	3 x 0.34 mm²
Wire insulation material	PvR
Supply voltage limits	1036 V DC
Switching frequency	<= 300 Hz
Current consumption	4 mA no-load
Maximum output current drift	10 %
Marking	CE
Threaded length	1.65 in (42 mm)
Height	1.18 in (30 mm)
Length	1.97 in (50 mm)
Net Weight	0.44 lb(US) (0.2 kg)

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#### Environment

Product Certifications	CSA UL
Ambient air temperature for operation	-13158 °F (-2570 °C)

## Ordering and shipping details

Category	22486 - SENSORS, PROXIMITY	
Discount Schedule	DS2	
GTIN	3389110524642	
Nbr. of units in pkg.	1	
Package weight(Lbs)	6.35 oz (180 g)	
Returnability	Yes	
Country of origin	FR	

### Packing Units

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Unit Type of Package 1	PCE
Package 1 Height	1.97 in (5 cm)
Package 1 width	3.62 in (9.2 cm)
Package 1 Length	5.16 in (13.1 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	12
Package 2 Weight	5.52 lb(US) (2.505 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)
Package 3 Height	5.91 in (15 cm)

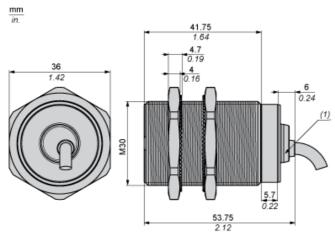
### Offer Sustainability

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 twww.P65Warnings.ca.gov	
REACh Regulation	REACh Declaration	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EEU 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

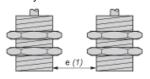
#### **Dimensions**



(1) LED

### Minimum Mounting Distances

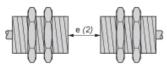
#### Side by side



e (1) 20 mm/0.79 in

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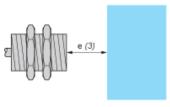
Face to face



e (2) 120 mm/4.72 in

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Facing a metal object



e (3) 30 mm/1.18 in.

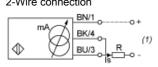
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# Product data sheet Connections and Schema

# XS1M30AB120

#### Wiring Schemes

#### 2-Wire connection

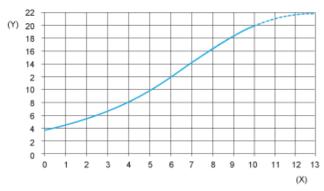


(1) Output current BN: Brown

BK: Black BU: Blue

	Output current	Load impedance value
12 V	420 mA	R ≤ 8.2 Ω
24 V	420 mA	R ≤ 470 Ω

### **Output Curves**



- (Y) Is (mA)(X) Sensors object distance (mm)