

XS1M30MB250

inductive sensor XS1 M30 - L60mm - brass -
Sn10mm - 24..240VAC/DC - cable 2m



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
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	Flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	2-wire
[Sn] nominal sensing distance	10 mm
Discrete output function	1 NC
Electrical connection	Cable
Cable length	2 m
[Us] rated supply voltage	24...240 V AC 50/60 Hz 24...210 V DC
Switching capacity in mA	5...200 mA DC with overload and short-circuit protection 5...300 mA AC with overload and short-circuit protection
IP degree of protection	IP68 double insulation conforming to IEC 60529

Complementary



Thread type	M30 x 1.5
Detection face	Frontal

Front material	PPS
Enclosure material	Nickel plated brass
Operating zone	0...8 mm
Differential travel	1...15% of Sr
Cable composition	2 x 0.34 mm ²
Wire insulation material	PvR
Status LED	1 LED green for supply on 1 LED yellow for output state
Supply voltage limits	20...264 V AC/DC
Residual current	<= 1.5 mA for open state
Switching frequency	<= 2000 Hz DC <= 25 Hz AC
Voltage drop	<= 5.5 V at closed state state
Delay first up	<= 70 ms
Delay response	<= 2 ms
Delay recovery	<= 5 ms
Marking	CE
Threaded length	51 mm
Height	30 mm
Length	60 mm
Product weight	0.205 kg

Environment

Product certifications	CSA UL CCC
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-7

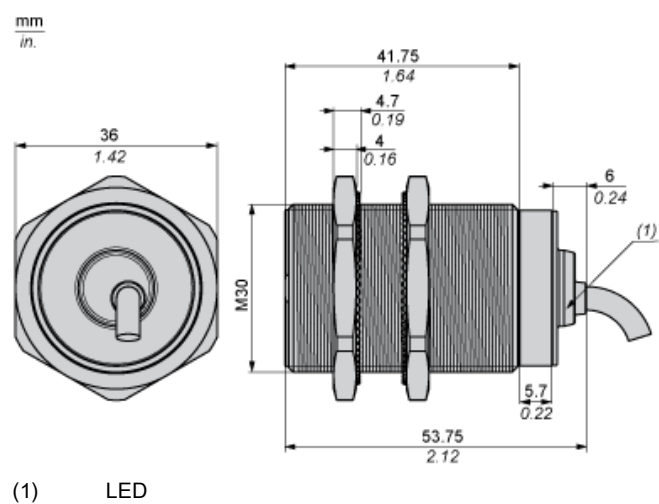
Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0811 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available  End of Life Information
Product end of life instructions	Available

Contractual warranty

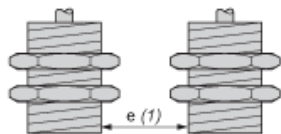
Warranty period	18 months
-----------------	-----------

Dimensions



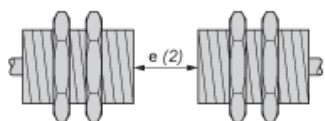
Minimum Mounting Distances

Side by side



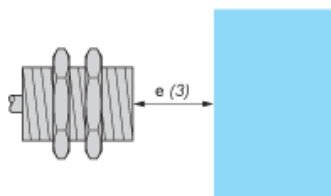
$e (1) \geq 20 \text{ mm}/0.79 \text{ in}$

Face to face



$e (2) \geq 120 \text{ mm}/4.72 \text{ in}$

Facing a metal object

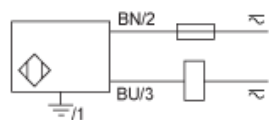


$e (3) \geq 30 \text{ mm}/1.18 \text{ in.}$

Wiring Schemes

2-Wire AC or DC

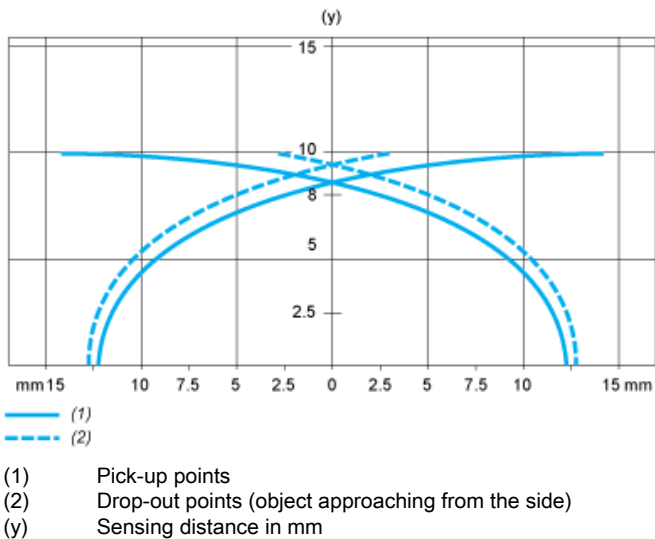
NC output



BU : Blue
BN : Brown

Performance Curves

Standard Steel Target : 30x30x1 mm



XS1M30MB250 is replaced by:



Inductive sensors XS XS630B1MBL2

inductive sensor XS6 M30 - L62mm - brass - Sn15mm - 24..240VAC/DC - cable 2m

Qty 1

Reason for Substitution: End of life | Substitution date: 30 September 2005