

XS1M18AB120L1

inductive sensor XS1 M18 - L53mm - brass - Sn5mm
- 12..24VDC - cable 5m



Main

Range of product	OsiSense XS
Series name	Application
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS1
Sensor design	Cylindrical M18
Size	53 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	5 mm
Discrete output function	1 NC
Output circuit type	DC
Analogue output range	4...20 mA
Electrical connection	Cable
Cable length	5 m
[Us] rated supply voltage	12...24 V DC
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Thread type	M18 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel plated brass
Operating zone	0.5...5 mm
Repeat accuracy	<= 3% of Sr
Linearity error	+/- 2 mA
Cable composition	3 x 0.34 mm ²
Wire insulation material	PvR
Supply voltage limits	10...36 V DC
Switching frequency	<= 500 Hz
Current consumption	4 mA at no-load
Output current drift	<= 10 %
Marking	CE
Threaded length	44 mm
Height	18 mm
Length	53 mm

Environment

product certifications	CSA UL
ambient air temperature for operation	-25...70 °C

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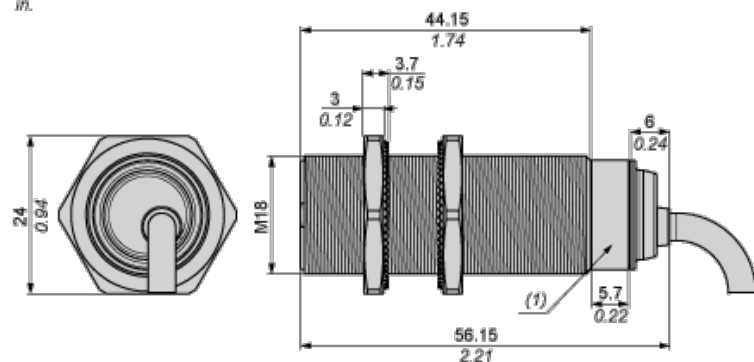
Offer Sustainability

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

Contractual warranty

Warranty period	18 months
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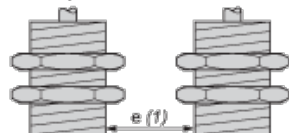
Dimensions

$$\frac{10000}{100}$$


(1) LED

Minimum Mounting Distances

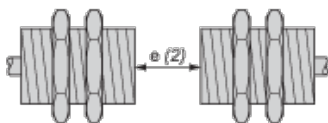
Side by side



e (1) 10 mm/0.39 in.

IV

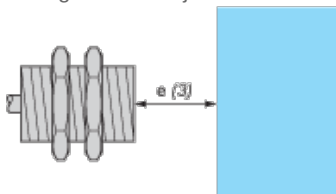
Face to face



e (2) 60 mm/2.36 in.

IV

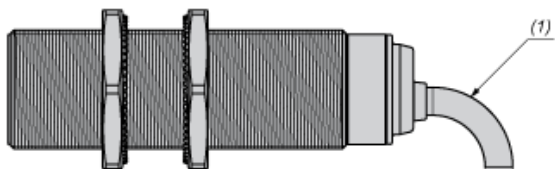
Facing a metal object



e (3) 15 mm/0.60 in

IV

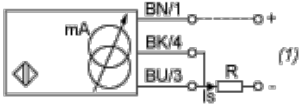
Mounting



(1) Bending cable: 4 x external cable diameter

Wiring Schemes

2-Wire connection



(1) Output current

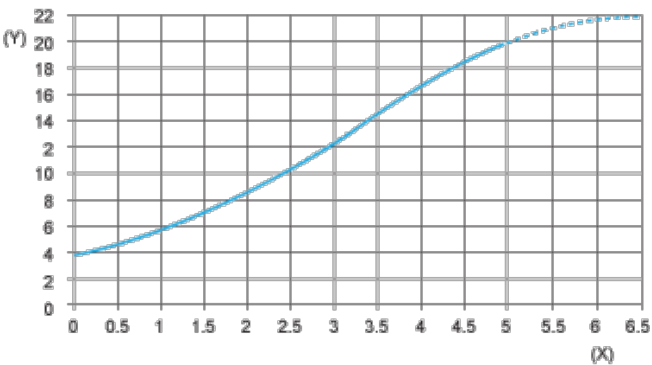
BN : Brown

BK : Black

BU : Blue

	Output current	Load impedance value
12 V	4...20 mA	$R \leq 8.2 \, \Omega$
24 V	4...20 mA	$R \leq 470 \, \Omega$

Output Curves



(Y) I_s (mA)

(X) Sensors - object distance (mm)