



Main

Range of product	OsiSense XS
Series name	Application
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS4
Sensor design	Cylindrical M18
Size	41 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Plastic
Type of output signal	Analogue
Wiring technique	2-wire
[Sn] nominal sensing distance	8 mm
Discrete output function	1 NC
Output circuit type	DC
Analogue output range	4...20 mA
Electrical connection	Cable
Cable length	2 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	PBT
Operating zone	0.8...8 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...38 V DC
Switching frequency	<= 500 Hz
Current consumption	4 mA (no-load)
Output current drift	<= 10 %
Marking	CE
Threaded length	26 mm
Height	18 mm
Length	41 mm
Product weight	0.08 kg

Environment

Product certifications	UL CSA
Ambient air temperature for operation	-25...70 °C

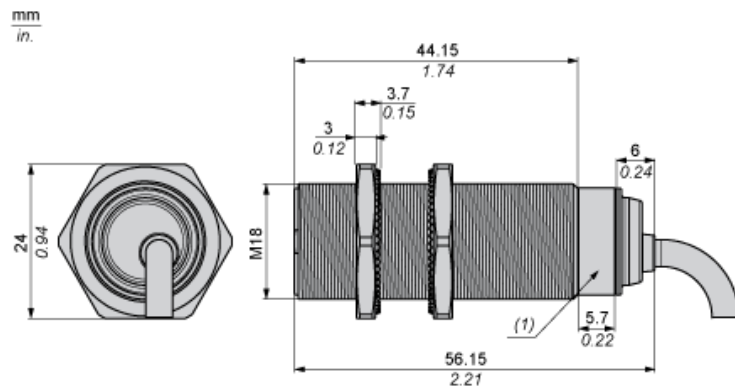
Offer Sustainability

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
Product environmental profile	Available Product Environmental
Product end of life instructions	Available End Of Life Manual

Contractual warranty

Warranty period	18 months
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Dimensions



(1) LED

Minimum Mounting Distances

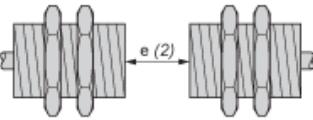
Side by side



e (1) 32 mm/1.26 in.

≥

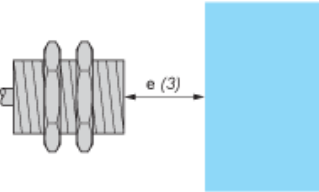
Face to face



e (2) 96 mm/3.78 in.

≥

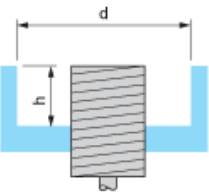
Facing a metal object



e (3) 24 mm/0.94 in.

≥

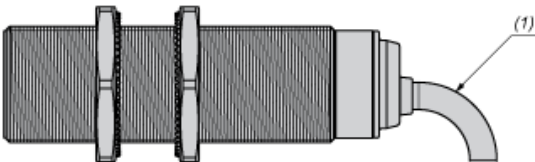
Mounted in a metal support



d ≥ 56 mm/2.20 in.

h ≥ 16 mm/0.63 in.

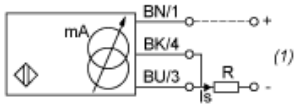
Mounting



(1) Bending cable: 4 x external cable diameter

Wiring Schemes

2-Wire connection



(1) Output current

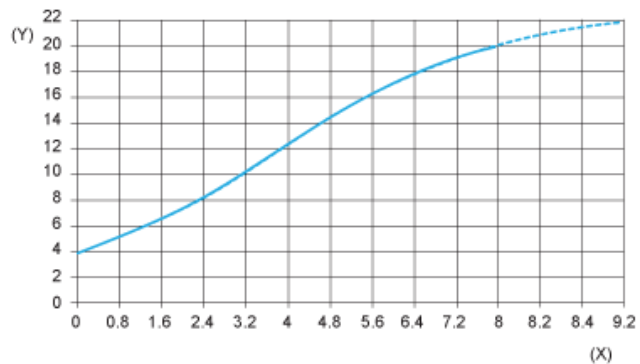
BN : Brown

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) Is (mA)

(X) Sensors - object distance (mm)