



Price* : 89.46 GBP



Main

Range of product	OsiSense XS
Series name	Application
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS4
Sensor design	Cylindrical M12
Size	50 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	4 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	M12 x 1
Detection face	Frontal
Front material	PBT
Enclosure material	PBT

Operating zone	0.4...4 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	<= 1500 Hz
Current consumption	4 mA no-load
Maximum output current drift	10 %
Marking	CE
Threaded length	42 mm
Height	12 mm
Length	50 mm
Product weight	0.065 kg

Environment

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

Offer Sustainability

Sustainable offer status	Green Premium product
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	End of Life Information

Contractual warranty

Warranty	18 months
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Dimensions



(1) LED

Minimum Mounting Distances

Side by side



$e (1) \geq 16 \text{ mm}/0.63 \text{ in.}$

Face to face



$e (2) \geq 48 \text{ mm}/1.89 \text{ in.}$

Facing a metal object



$e (3) \geq 12 \text{ mm}/0.47 \text{ in.}$

Mounted in a metal support



$d \geq 36 \text{ mm}/1.42 \text{ in.}$

$h \geq 8 \text{ mm}/0.31 \text{ in.}$

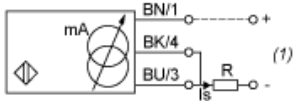
Mounting



(1) Bending cable: 4 x external cable diameter

Wiring Schemes

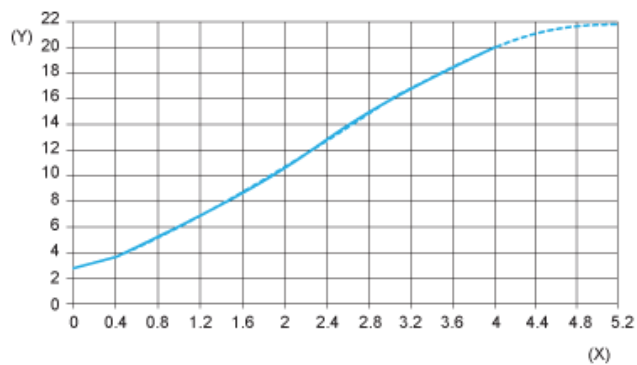
2-Wire connection



- (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)