Product data sheet
Characteristics

XS4P18AB110
inductive sensor XS4 M18 - L41mm - PBT - Sn8mm - 24..48VDC - cable 2m

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	3-wire
[Sn] nominal sensing distance	8 mm
Discrete output function	1 NC
Output circuit type	DC
Analogue output range	0...10 V
Electrical connection	Cable
Cable length	2 m
[Us] rated supply voltage	24...48 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 mm²
Wire insulation material	PvR
Supply voltage limits	15...58 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

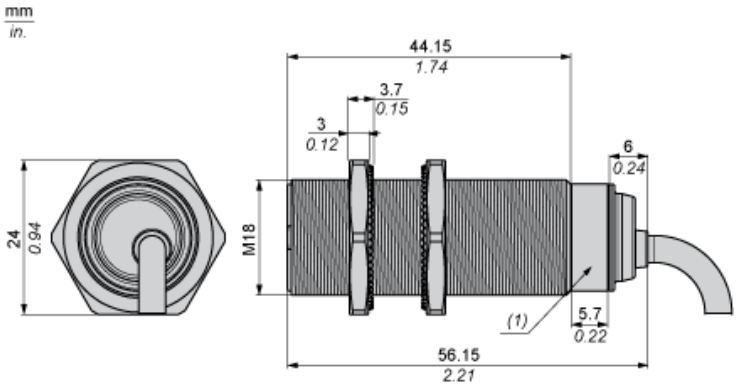
Environment

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

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0812 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Available Download End Of Life Manual

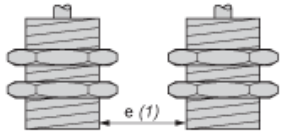
Dimensions



(1) LED

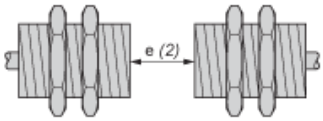
Minimum Mounting Distances

Side by side



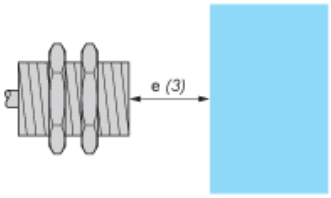
e (1) 32 mm/1.26 in.
≥

Face to face



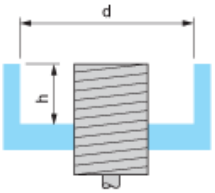
e (2) 96 mm/3.78 in.
≥

Facing a metal object



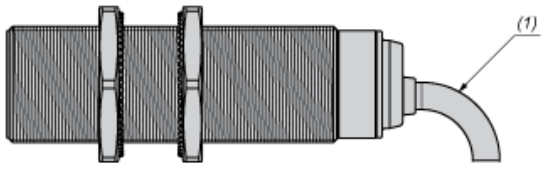
e (3) 24 mm/0.94 in.
≥

Mounted in a metal support



d ≥ 56 mm/2.20 in.
h ≥ 16 mm/0.63 in.

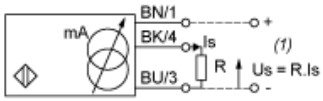
Mounting



(1) Bending cable: 4 x external cable diameter

Wiring Schemes

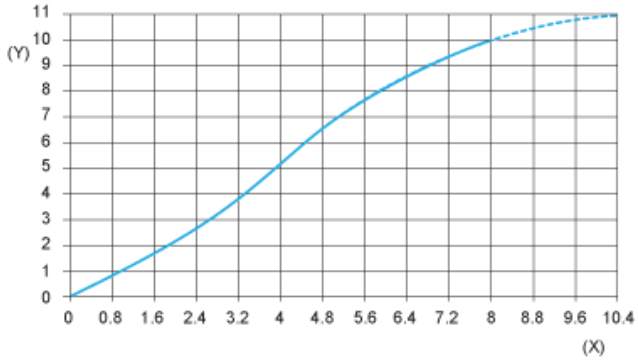
3-Wire connection



(1) Voltage output
BN : Brown
BK : Black
BU : Blue

	Output current	Load impedance value	Output voltage	Load impedance value
24 V	0...10 mA	R ≤ 1500 Ω	0...10 V	R = 1000 Ω
48 V	0...10 mA	R ≤ 3300 Ω	0...10 V	R = 1000 Ω

Output Curves



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