XS1M18KP340

inductive sensor XS1 M18 - L60mm - brass - Sn5mm - 12..24VDC - cable 2m

Green Premium™ Product

Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS1
Sensor design	Cylindrical M18
Size	60 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	4-wire
[Sn] nominal sensing distance	0.20 in (5 mm)
Discrete output function	1 NO or 1 NC programmable
Output circuit type	DC
Discrete output type	PNP and NPN
Electrical connection	Cable
Cable length	6.56 ft (2 m)
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Switching capacity in mA	<= 200 mA overload and short-circuit protection
IP degree of protection	IP68 double insulation IEC 60529

Complementary

Thread type	M18 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel plated brass
Operating zone	0.00…0.16 in (0…4 mm)
Differential travel	1...15% of Sr
Cable composition	4 x 0.22 mm²
Wire insulation material	PvR
Status LED	Output state 1 LED yellow)
Supply voltage limits	10…36 V DC
Switching frequency	<= 2000 Hz
Maximum voltage drop	<2.6 V closed)
Current consumption	0...10 mA no-load
Maximum delay first up	5 ms
Maximum delay response	0.15 ms
Maximum delay recovery	0.35 ms
Marking	CE
Threaded length	2.01 in (51 mm)
Maximum Height	0.71 in (18 mm)
Length	2.36 in (60 mm)
Net Weight	0.26 lb(US) (0.12 kg)

Environment

Product certifications	UL CSA
Ambient air temperature for operation	-13…158 °F (-25…70 °C)
Ambient air temperature for storage	-40…185 °F (-40…85 °C)
Vibration resistance	25 gn +/- 2 mm 10…55 Hz)IEC 60068-2-6
Shock resistance	50 gn 11 ms IEC 60068-2-27

Ordering and shipping details

Category	22486-SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	00785901913559
Nbr. of units in pkg.	1
Package weight(Lbs)	4.55 oz (129 g)
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.61 in (4.1 cm)
Package 1 width	3.74 in (9.5 cm)
Package 1 Length	5.12 in (13 cm)
Unit Type of Package 2	BAG
Number of Units in Package 2	1
Package 2 Weight	4.55 oz (129 g)
Package 2 Height	0.71 in (1.8 cm)
Package 2 width	7.87 in (20 cm)
Package 2 Length	5.91 in (15 cm)
Unit Type of Package 3	S03
Number of Units in Package 3	44
Package 3 Weight	13.79 lb(US) (6.255 kg)
Package 3 Height	11.81 in (30 cm)
Package 3 width	11.81 in (30 cm)
Package 3 Length	15.75 in (40 cm)

Offer Sustainability

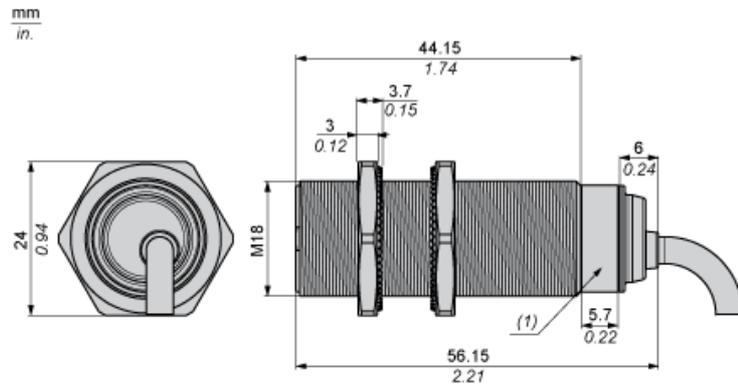|	
Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information

Contractual warranty

Warranty	18 months

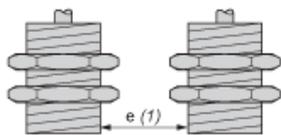# XS1M18KP340

Dimensions

(1)   LED

XS1M18KP340

Minimum Mounting Distances

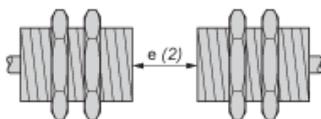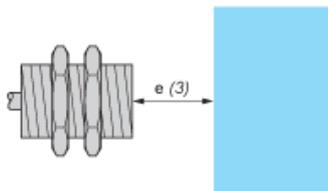Side by side

e (1) 10 mm/0.39 in.
≥

Face to face

e (2) 60 mm/2.36 in.
≥

Facing a metal object

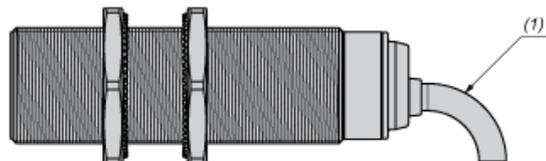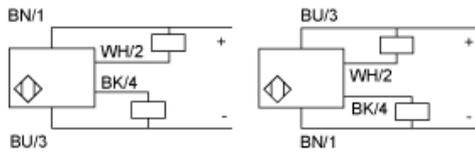e (3) 15 mm/0.60 in
≥

Mounting

(1)   Bending cable: 4 x external cable diameter

Life Is On | Schneider Electric

Wiring Schemes
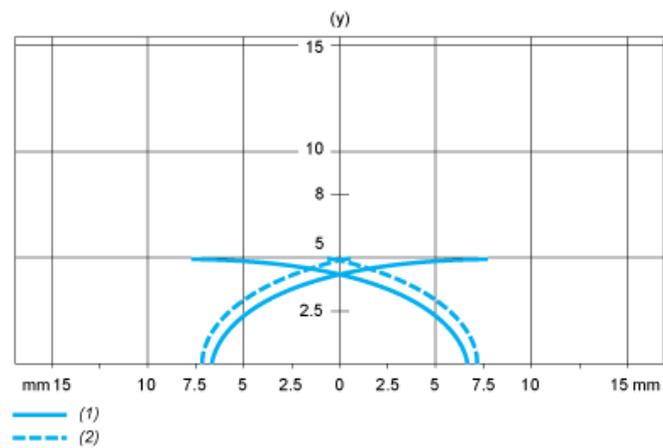
4-Wire DC, PNP/NPN, NO or NC Output

BU : Blue
BN : Brown
BK : Black
WH : White

XS1M18KP340

Performance Curves

Standard Steel Target : 18x18x1 mm

(1)   Pick-up points
(2)   Drop-out points (object approaching from the side)
(y)   Sensing distance in mm