Product data sheet
Characteristics

XS2M18KP340
Inductive proximity sensors XS, inductive sensor XS2 M18, L60mm, brass, Sn8mm, 12...24 VDC, cable 2 m

Green Premium

Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 93.33 USD

Main

Range of Product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor Type	Inductive proximity sensor
Sensor name	XS2
Sensor design	Cylindrical M18
Size	64 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Metal
Type of output signal	Discrete
Wiring Technique	4-wire
[Sn] nominal sensing distance	0.31 In (8 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 conforming to IEC 60529

Complementary

Thread type	M18 x 1
Detection face	Frontal
Front material	PPS
Enclosure Material	Nickel Plated Brass
Operating zone	0.00…0.25 In (0…6.4 mm)
Differential travel	1...15% of Sr

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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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	1.73 In (44 mm)
Length	2.52 In (64 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	03389110515084
Nbr. of units in pkg.	1
Package weight(Lbs)	4.02 Oz (114 g)
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.09 In (5.3 cm)
Package 1 width	3.23 In (8.2 cm)
Package 1 Length	6.18 In (15.7 cm)
Unit Type of Package 2	BAG
Number of Units in Package 2	1
Package 2 Weight	4.51 Oz (128 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	12.01 Lb(US) (5.449 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)

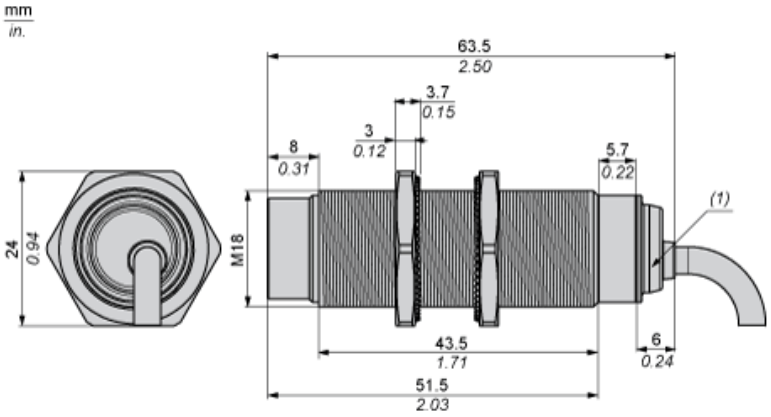
Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
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

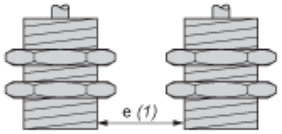
Dimensions



(1) LED

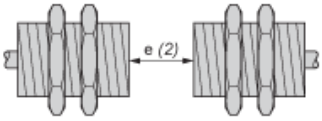
Minimum Mounting Distances

Side by side



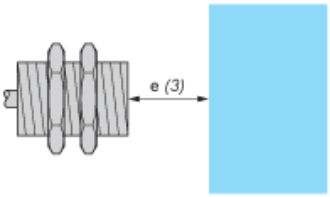
e (1) ≥ 32 mm/1.26 in.

Face to face



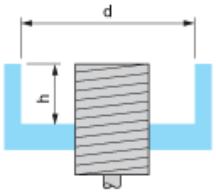
e (2) ≥ 96 mm/3.78 in.

Facing a metal object



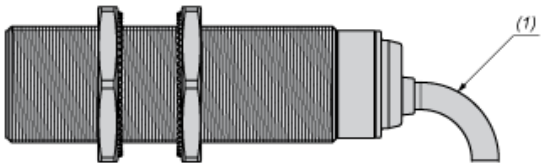
e (3) ≥ 24 mm/0.94 in.

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

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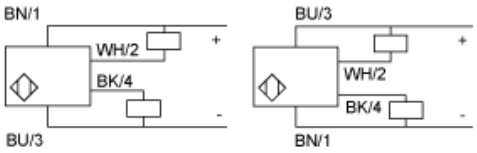
Wiring Schemes

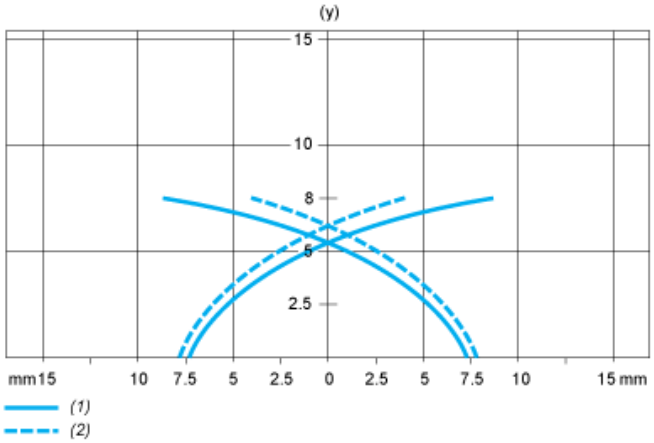
4-Wire DC, PNP/NPN, NO or NC Output



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

Performance Curves

Standard Steel Target : 24x24x1 mm



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

Product Life Status :	Commercialised