Product data sheet
Characteristics

XS512BSDAL2

inductive sensor XS5 M12 - L35mm - brass - Sn2mm - 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	XS5
Sensor design	Cylindrical M12
Size	37 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	2-wire
[Sn] nominal sensing distance	0.08 in (2 mm)
Discrete output function	1 NO
Output circuit type	DC
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	1.5...100 mA DC overload and short-circuit protection
IP degree of protection	IP68 double insulation IEC 60529 IP69K DIN 40050

Complementary

Thread type	M12 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel Plated Brass
Operating zone	0.00…0.06 in (0…1.6 mm)
Differential travel	1...15% of Sr
Cable composition	3 x 0.34 mm²
Wire insulation material	PvR
Status LED	Output state 1 LED yellow)
Supply voltage limits	10…36 V DC
Maximum residual current	0.5 mA open state
Switching frequency	<= 4000 Hz
Maximum voltage drop	<4 V closed)
Maximum delay first up	10 ms
Maximum delay response	0.2 ms
Maximum delay recovery	0.2 ms
Marking	CE
Threaded length	0.98 in (25 mm)
Height	0.47 in (12 mm)
Length	1.38 in (35 mm)
Net Weight	0.08 lb(US) (0.035 kg)

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Environment

Product certifications	CSA UL
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	03389119046008
Nbr. of units in pkg.	1
Package weight(Lbs)	0.19 lb(US) (0.09 kg)
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	3.70 in (9.4 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	3.17 oz (90 g)
Package 2 Height	0.79 in (2 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	10.07 lb(US) (4.569 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

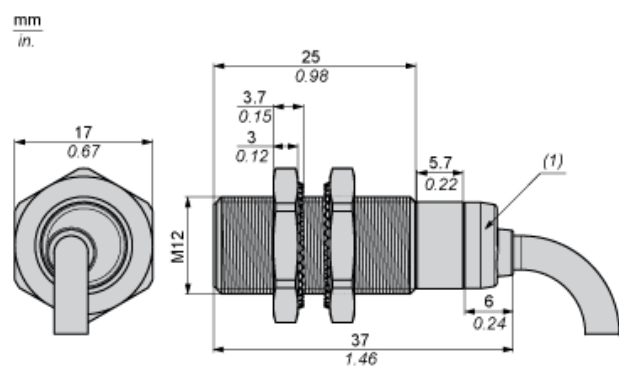|	
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California 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
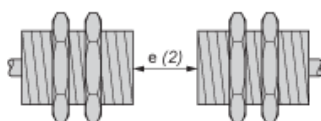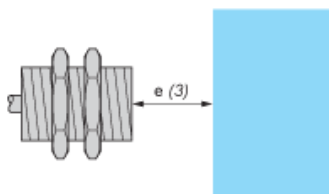
Side by side

e (1) 4 mm/0.16 in.
≥

Face to face

e (2) 24 mm/0.94 in.
≥
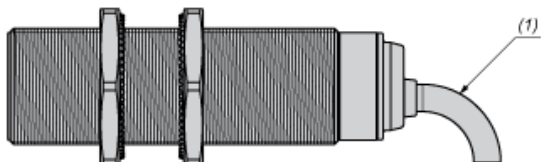
Facing a metal object

e (3) 6 mm/0.24 in.
≥

Mounting

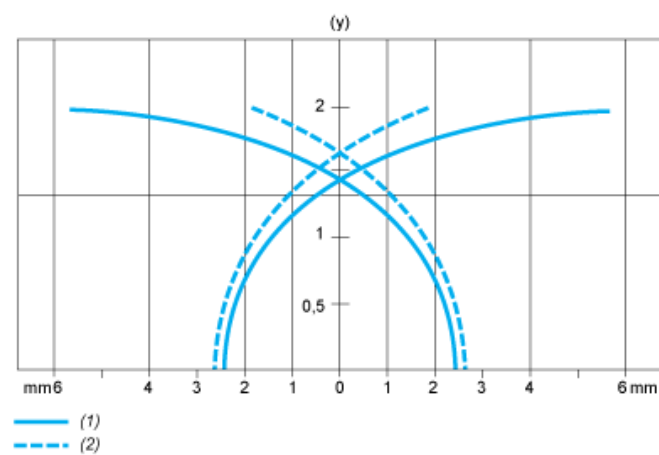(1)   Bending cable: 4 x external cable diameter

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Wiring Schemes

2-Wire Non-polarised

NO output

BU : Blue
BN : Brown

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Performance Curves

Standard Steel Target : 12x12x1 mm

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