Product data sheet Characteristics

XS512B1PAM12

inductive sensor XS5 M12 - L50mm - brass - Sn2mm - 12..24VDC - M12





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	50 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	2 mm
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	4 pins M12 male connector
[Us] rated supply voltage	1224 V DC reverse polarity protection
Switching capacity in mA	<= 200 mA DC overload and short-circuit protection
IP degree of protection	IP67 IEC 60529 IP69K DIN 40050

Complementary

M12 x 1
Frontal
PPS
Nickel Plated Brass
0.000.06 in (01.6 mm)
115% of Sr
Output state 1 LED yellow)
1036 V DC
<= 5000 Hz
<2 V closed)
<= 10 mA no-load
10 ms
0.1 ms
0.1 ms
CE
1.18 in (30 mm)
0.71 in (18 mm)
1.97 in (50 mm)
0.08 lb(US) (0.035 kg)

Environment

Product certifications	UL CSA
Ambient air temperature for operation	-13158 °F (-2570 °C)
Ambient air temperature for storage	-40185 °F (-4085 °C)
Vibration resistance	25 gn +/- 2 mm 1055 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	00785901695677
Nbr. of units in pkg.	1
Package weight(Lbs)	0.08 lb(US) (0.04 kg)
Returnability	Yes
Country of origin	ID

Packing Units

Package 1 Height	0.420 dm
Package 1 width	0.970 dm
Package 1 Length	0.650 dm

Offer Sustainability

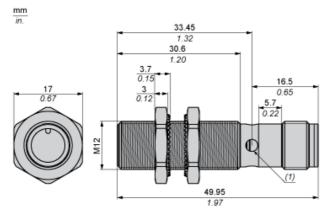
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to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

Contraction Warranty	
Warranty	18 months

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Dimensions

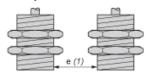


(1) LED

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Minimum Mounting Distances

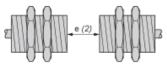
Side by side



e (1) 4 mm/0.16 in.

2

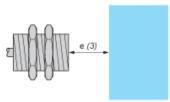
Face to face



e (2) 24 mm/0.94 in.

≥

Facing a metal object



e (3) 6 mm/0.24 in.

≥

Product data sheet Connections and Schema

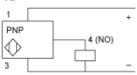
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Wiring Schemes

M12 connector







1 : 2 : 3 :

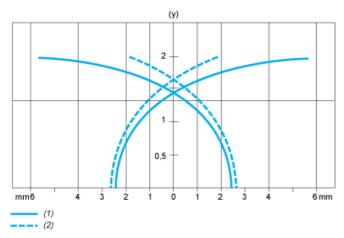
(+) Not connected

3 : (-) 4 : NO Output

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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