Product data sheet
Characteristics

XS518B1PAM12
inductive sensor XS5 M18 - L50mm - brass - Sn5mm - 12..24VDC - M12

Product availability : Stock - Normally stocked in distribution facility

Green Premium™

Price* : 75.32 USD

Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS5
Sensor design	Cylindrical M18
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	0.20 in (5 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	12...24 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

Thread type	M18 x 1
Detection face	Frontal

* Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Aug 16, 2020

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Front material	PPS
Enclosure material	Nickel plated brass
Operating zone	0.00…0.16 in (0…4 mm)
Differential travel	1...15% of Sr
Status LED	Output state 1 LED yellow)
Supply voltage limits	10…36 V DC
Switching frequency	<= 2000 Hz
Maximum voltage drop	<2 V closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	10 ms
Maximum delay response	0.15 ms
Maximum delay recovery	0.35 ms
Marking	CE
Threaded length	1.10 in (28 mm)
Height	0.71 in (18 mm)
Length	1.97 in (50 mm)

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	00785901448709
Nbr. of units in pkg.	1
Package weight(Lbs)	0.12 lb(US) (0.05 kg)
Returnability	Yes
Country of origin	ID

Packing Units

|	
Package 1 Height	0.660 dm
Package 1 width	0.410 dm
Package 1 Length	0.970 dm

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

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Dimensions

$$\frac{mm}{in.}$$

(1)   LED

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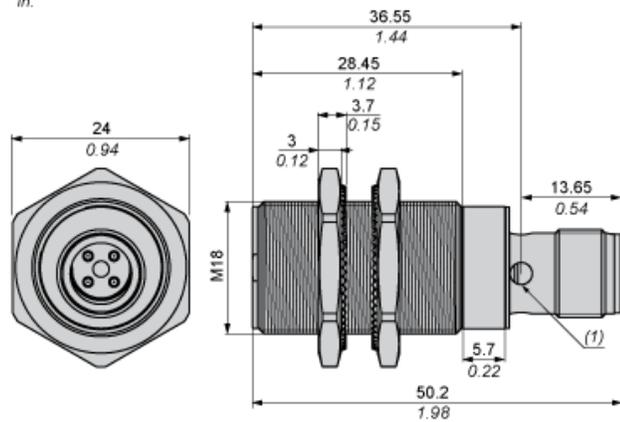
Minimum Mounting Distances

Side by side
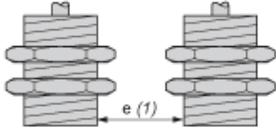
e (1) ≥   10 mm/0.39 in.

Face to face
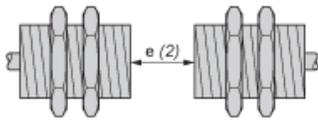
e (2) ≥   60 mm/2.36 in.

Facing a metal object

e (3) ≥   15 mm/0.60 in

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XS518B1PAM12
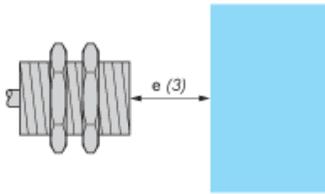
Wiring Schemes

M12 connector
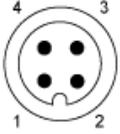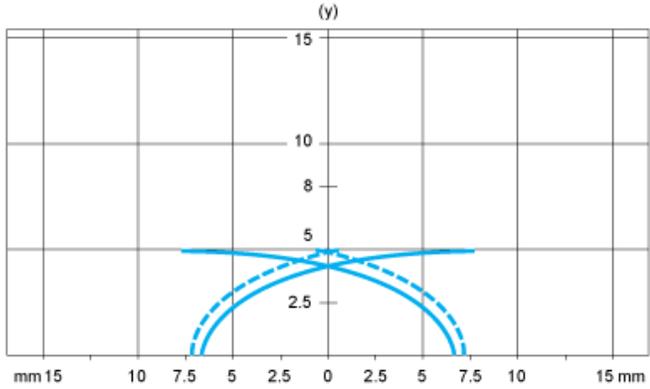

PNP
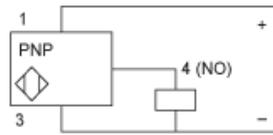
Performance Curves

Standard Steel Target : 18x18x1 mm

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