

Product data sheet

Characteristics

XS512BSCAL08M12

inductive sensor XS5 M12 - L35mm - brass -
Sn2mm - 12..24VDC - M12

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



Price* : 90.05 USD



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	4 pins M12 remote male connector 1-4
Cable length	2.62 ft (0.8 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	IP67 IEC 60529 IP69K DIN 40050

Complementary

Thread type	M12 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 15, 2020

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	2 x 0.34 mm ²
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	0.14 lb(US) (0.065 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	03389119046046
Nbr. of units in pkg.	1
Package weight(Lbs)	0.13 lb(US) (0.06 kg)
Returnability	No
Country of origin	FR

Packing Units

Package 1 Height	1.300 dm
Package 1 width	0.410 dm
Package 1 Length	0.940 dm

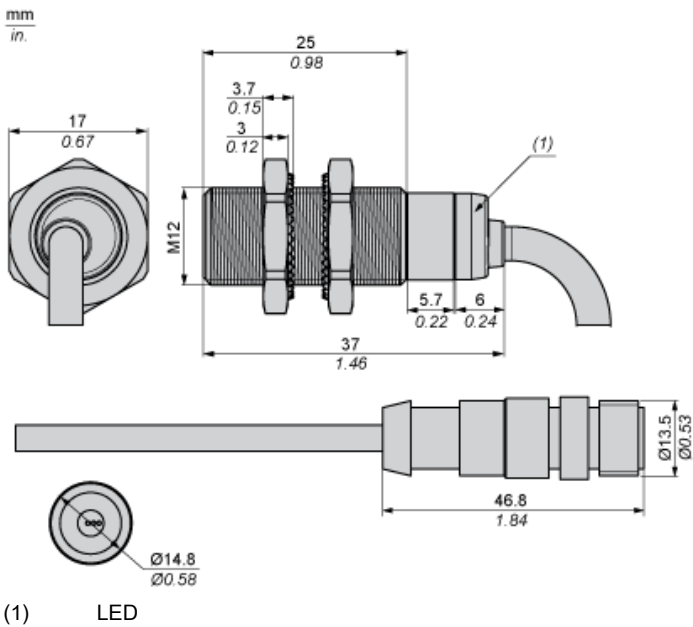
Offer Sustainability

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
----------	-----------

Dimensions



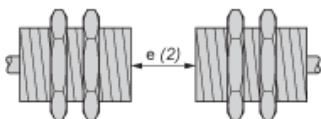
Minimum Mounting Distances

Side by side



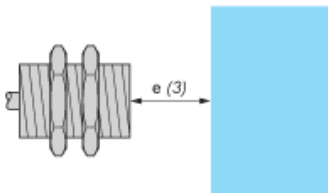
$e (1) \geq 4 \text{ mm}/0.16 \text{ in.}$

Face to face



$e (2) \geq 24 \text{ mm}/0.94 \text{ in.}$

Facing a metal object

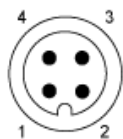


$e (3) \geq 6 \text{ mm}/0.24 \text{ in.}$

Wiring Schemes

2-Wire Polarised

M12 connector

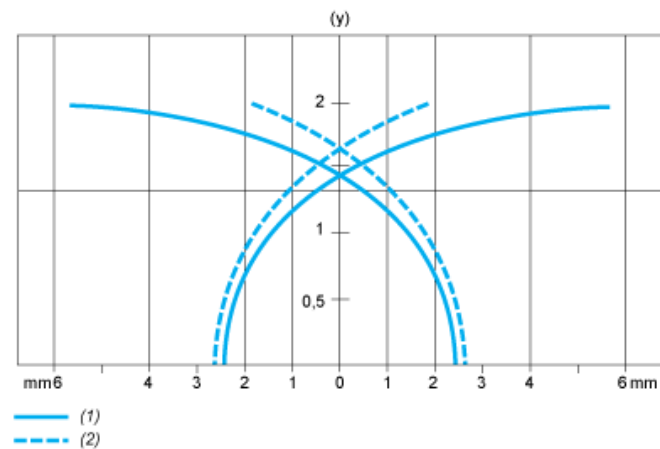


NO output



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