

Product data sheet

Specifications



inductive sensor XS5 M18 - L39mm - brass - Sn5mm - 12..24VDC - M12

XS518BSCAL08M12

❗ Discontinued on: 23 January 2021

❗ End-of-service on: 24 January 2021

❗ Discontinued

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

Price* : 99.87 USD

Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor Type	Inductive proximity sensor
Device Application	-
Sensor name	XS5
Sensor design	Cylindrical M18
Size	39 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	0.20 in (5 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 conforming to IEC 60529 IP69K conforming to DIN 40050

Complementary

Thread type	M18 x 1
Detection face	Frontal
Front material	PPS
Enclosure Material	Nickel Plated Brass

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

Operating zone	0.00...0.16 in (0...4 mm)
Differential travel	1...15% of Sr
Cable composition	2 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	<= 3000 Hz
Maximum voltage drop	<4 V closed)
Maximum delay first up	10 ms
Maximum delay response	0.15 ms
Maximum delay recovery	0.2 ms
Marking	CE
Threaded length	1.10 in (28 mm)
Height	0.71 in (18 mm)
Length	1.54 in (39 mm)
Product Weight	0.29 lb(US) (0.13 kg)

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	03389119046114
Nbr. of units in pkg.	1
Package weight(Lbs)	3.53 oz (100 g)
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	S02
Number of Units in Package 2	22
Package 2 Weight	5.85 lb(US) (2.655 kg)

Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

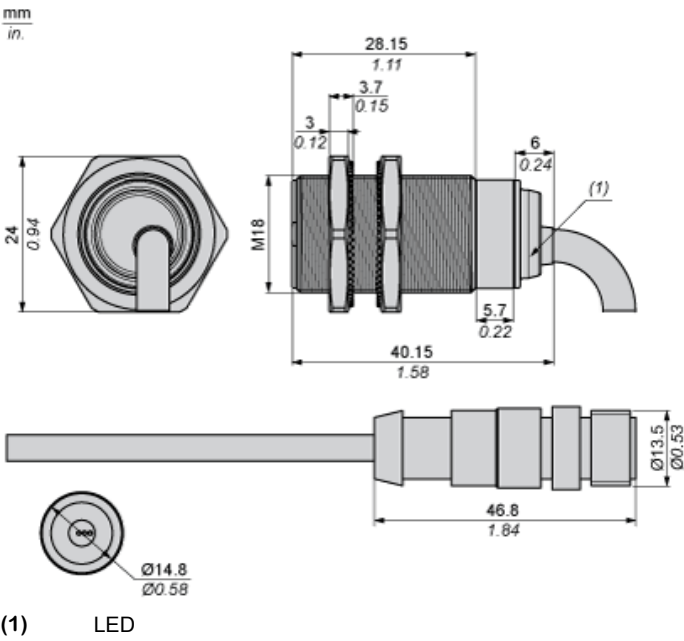
Offer Sustainability

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

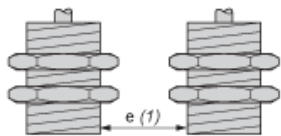
Warranty	18 months
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Dimensions



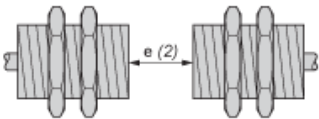
Minimum Mounting Distances

Side by side



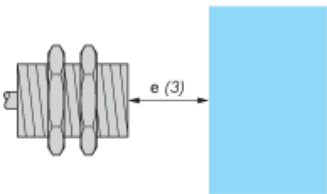
$e (1) \geq 10 \text{ mm}/0.39 \text{ in.}$

Face to face



$e (2) \geq 60 \text{ mm}/2.36 \text{ in.}$

Facing a metal object



$e (3) \geq 15 \text{ mm}/0.60 \text{ in}$

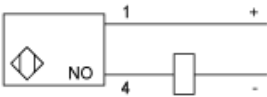
Wiring Schemes

2-Wire Polarised

M12 connector

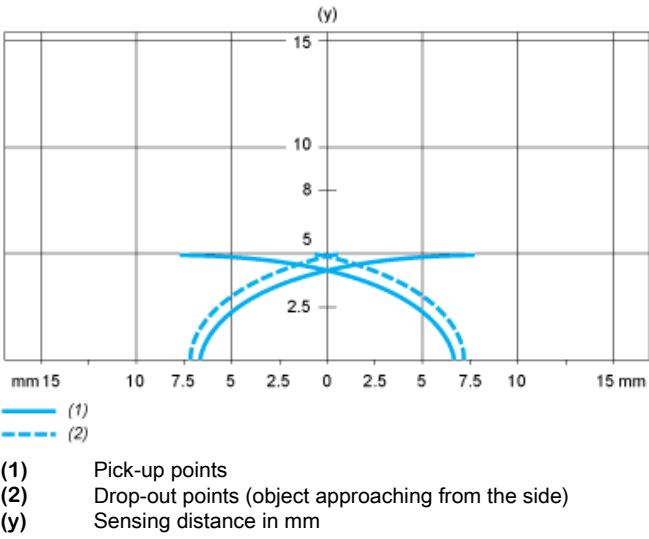


NO output



Performance Curves

Standard Steel Target : 18x18x1 mm



Recommended replacement(s)

XS518BSCAL08M12 is replaced by the following product range:



Inductive and capacitive sensors XS & XT
Inductive proximity OsiSense XS & capacitive proximity OsiSense XT
Products: 1266