XS508BLPAL5

inductive sensor XS5 M8 - L51mm - stainless - Sn1.5mm - 12..48VDC - cable 5m

Green Premium™ Product

Product Life Status :   END OF STANDARD SERVICE

TODAY
FEB 21, 2021

End of Commercialization
NOV 03, 2020

End of Standard Service
JAN 29, 2021

Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS5
Sensor design	Cylindrical M8
Size	51 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Stainless steel
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	1.5 mm
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	cable
Cable length	5 m
[Us] rated supply voltage	12...48 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA DC with overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Thread type	M8 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Stainless steel 303
Operating zone	0…1.2 mm
Differential travel	1...15% of Sr

Cable composition	3 x 0.11 mm²
Wire insulation material	PvR
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10…58 V DC
Switching frequency	<= 5000 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	10 ms
Maximum delay response	0.1 ms
Maximum delay recovery	0.1 ms
Marking	CE
Threaded length	42 mm
Height	8 mm
Length	51 mm
Net weight	0.155 kg

Environment

Product certifications	CSA UL
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-40…85 °C
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 10…55 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27

Packing Units

|	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	75 g
Package 1 Height	13 cm
Package 1 width	4.1 cm
Package 1 Length	9.4 cm

Offer Sustainability

Sustainable offer status	Green Premium product
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

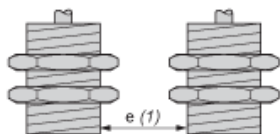## Contractual warranty

Warranty	18 months

Telemecanique
Sensors

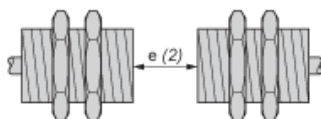## Dimensions

(1) LED
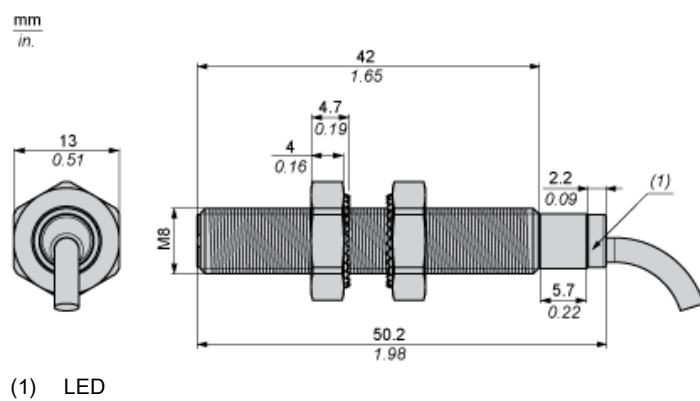
Minimum Mounting Distances

Side by side

e (1) 3 mm/0.12 in.
≥

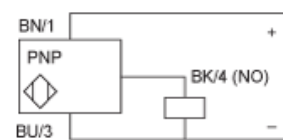Face to face

e (2) 18 mm/0.71 in.
≥

Facing a metal object

e (3) 4.5 mm/0.18 in.
≥

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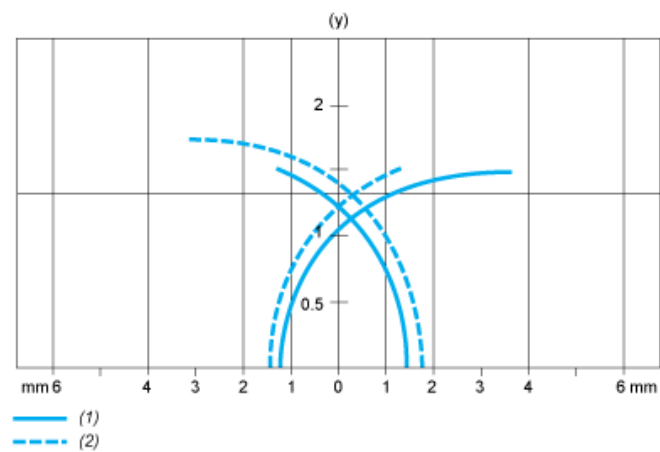**Sensors**
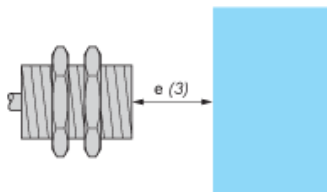
Wiring Schemes

PNP

BU : Blue
BN : Brown
BK : Black

Performance Curves

Standard Steel Target : 8x8x1 mm

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

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Sensors