XS508B1NAL2

Inductive proximity sensors XS, inductive sensor XS5 M8, L33mm, stainless, Sn1.5 mm, 12...24 VDC, cable 2 m



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 M8
Size	33 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	0.06 in (1.5 mm)
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	NPN
Electrical connection	cable
Cable length	6.56 ft (2 m)
[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 conforming to IEC 60529

Complementary

Complementary		
Thread type	M8 x 1	
Detection face	Frontal	
Front material	PPS	
Enclosure Material	Stainless steel 303	
Operating zone	0.000.05 in (01.2 mm)	
Differential travel	115% of Sr	
Cable composition	3 x 0.11 mm²	
Wire insulation material	PvR	
Status LED	Output state 1 LED yellow)	
Supply voltage limits	1036 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	0.98 in (25 mm)	
Height	0.31 in (8 mm)	

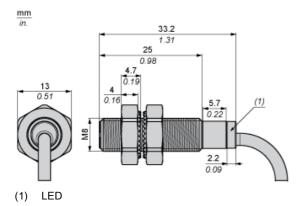
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Length	1.30 in (33 mm)
Net Weight	0.08 lb(US) (0.035 kg)
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Environment	
Product Certifications	UL
Ambient air temperature for operation	-13158 °F (-2570 °C)
Ambient Air Temperature for Storage	-40185 °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	3389110143638
Nbr. of units in pkg.	1
Package weight(Lbs)	1.34 oz (38 g)
Returnability	Yes
Country of origin	FR
Packing Units	
Unit Type of Package 1	PCE
Package 1 Height	1.65 in (4.2 cm)
Package 1 width	3.82 in (9.7 cm)
Package 1 Length	5.20 in (13.2 cm)
Unit Type of Package 2	S03
Number of Units in Package 2	44
Package 2 Weight	4.74 lb(US) (2.148 kg)
Package 2 Height	11.81 in (30 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 3 Height	11.81 in (30 cm)
05.00	
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) EV RoHS
Mercury free	Yes
RoHS exemption information	€Yes
<u> </u>	
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
Contractual warranty	
Warranty	18 months

Product data sheet Dimensions Drawings

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Dimensions

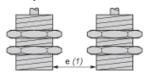


Product data sheet Mounting and Clearance

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Minimum Mounting Distances

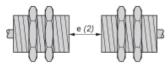
Side by side



e (1) 3 mm/0.12 in.

2

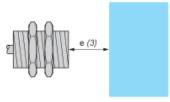
Face to face



e (2) 18 mm/0.71 in.

≥

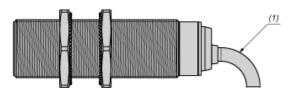
Facing a metal object



e (3) 4.5 mm/0.18 in.

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Mounting

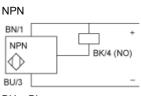


(1) Bending cable: 4 x external cable diameter

Product data sheet Connections and Schema

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Wiring Schemes



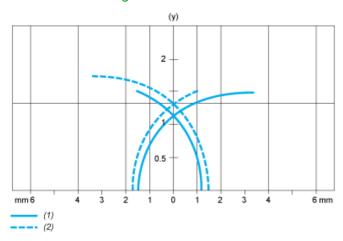
BU : Blue BN : Brown BK : Black

Product data sheet Performance Curves

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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