

## Product data sheet Characteristics

# **XS508B1PAM8**

inductive sensor XS5 M8 - L42mm - stainless - Sn1.5mm - 12..24VDC - M8





#### 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	42 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	1.5 mm	
Discrete output function	1 NO	
Output circuit type	DC	
Discrete output type	PNP	
Electrical connection	Male connector M8, 3 pins	
[Us] rated supply voltage	1224 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

o in promortion y	
Thread type	M8 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Stainless steel 303
Operating zone	01.2 mm
Differential travel	115% of Sr
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	26 mm
Length	42 mm
Net weight	0.025 kg

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#### Environment

Product certifications	UL[RETURN]CSA	
Ambient air temperature for operation	-2570 °C	
Ambient air temperature for storage	-4085 °C	
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 1055 Hz) conforming to IEC 60068-2-6	
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27	

## Packing Units

3 - 3	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.700 cm
Package 1 Width	3.000 cm
Package 1 Length	16.000 cm
Package 1 Weight	17.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	44
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	1.253 kg
Unit Type of Package 3	P06
Number of Units in Package 3	704
Package 3 Height	75.000 cm
Package 3 Width	60.000 cm
Package 3 Length	80.000 cm
Package 3 Weight	36.200 kg

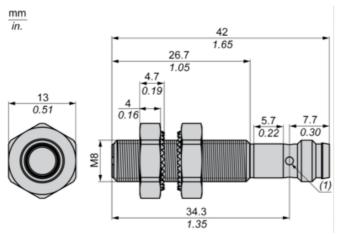
## Offer Sustainability

Sustainable offer status	Green Premium product	
REACh Regulation	☑ REACh Declaration	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)	
Mercury free	Yes	
RoHS exemption information	₽¥Yes	
Circularity Profile	End Of Life Information	

### Contractual warranty

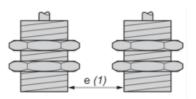
Contractical Warranty		
Warranty	18 months	

### **Dimensions**



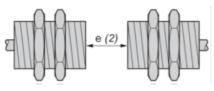
## Minimum Mounting Distances

### Side by side

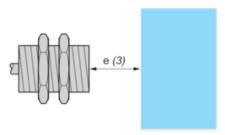


e (1)  $\geq$  3 mm/0.12 in.

Face to face



e (2) ≥ 18 mm/0.71 in. Facing a metal object



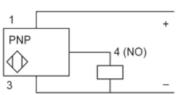
e (3) ≥ 4.5 mm/0.18 in.

## Wiring Schemes

#### M8 Connector

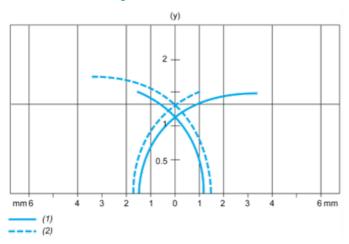


PNP



### **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