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[XS108B3PAM8](XS108B3PAM8)

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Dieses Datenblatt wird vom
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Cette fiche technique est
présentée par le fabricant

XS108B3PAM8

inductive sensor XS1 M8 - L42mm - brass - Sn2mm - 12..24VDC - M8

Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS1
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	2.5 mm
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	M8 male connector, 3 pins
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA with overload and short-circuit protection
IP degree of protection	IP65 conforming to IEC 60529 IP67 conforming to IEC 60529
Sale per indivisible quantity	1

Complementary

Thread type	M8 x 1
Detection face	Frontal
Front material	PPS

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Enclosure material	Nickel plated brass
Operating zone	0...2 mm
Differential travel	1...15% of Sr
Status LED	1 LED (yellow) for output state
Supply voltage limits	10...36 V DC
Switching frequency	<= 2500 Hz
Voltage drop	<= 2 V (closed state)
Current consumption	<= 10 mA (no-load)
Delay first up	<= 10 ms
Delay response	<= 0.2 ms
Delay recovery	<= 0.2 ms
Marking	CE
Threaded length	26 mm
Length	42 mm

Environment

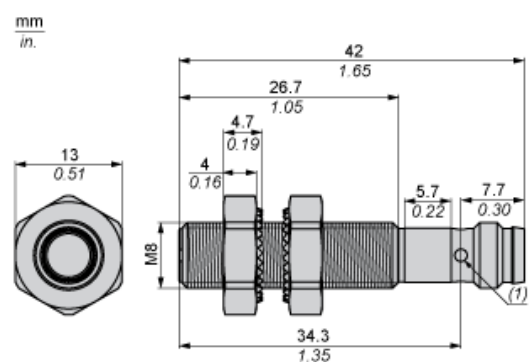|	
Product certifications	CSA UL
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
Vibration resistance	25 gn, amplitude: +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn (duration = 11 ms) conforming to IEC 60068-2-27

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1104 - Schneider Electric declaration of conformity 🔗 Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available 🔗 Product environmental
Product end of life instructions	Available 🔗 End of life manual

Contractual warranty

Warranty period	18 months

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Dimensions
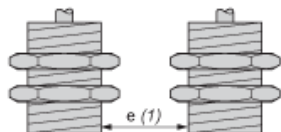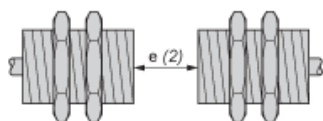

(1)   LED

Minimum Mounting Distances in mm
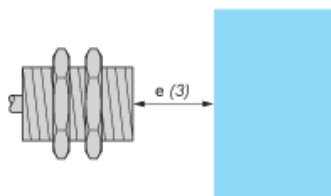
Side by side

e (1) ≥5 mm/0.20 in.

Face to face

e (2) ≥30 mm/1.18 in.
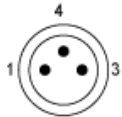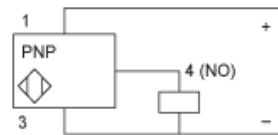
Facing a metal object
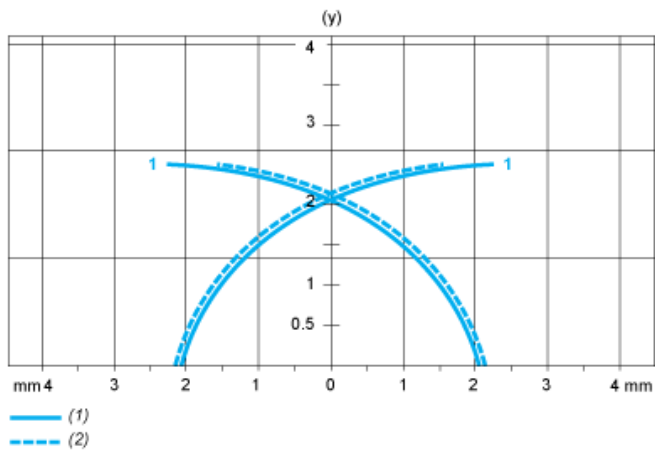

e (3) ≥8 mm/0.31 in.

Wiring Schemes

M8 Connector

PNP

Performance Curves

Standard Steel Target (mm) : 8x8x1


```
            (y)
             4

             3

    1 ────────────────── 1
             2
             1
            0.5

mm 4    3    2    1    0    1    2    3    4 mm
──────── (1)
──────── (2)
```

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

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