XS608B1PAL2

inductive sensor XS6 M8 - L51mm - stainless - Sn2.5mm - 12..48VDC - cable 2m

Green Premium™ Product

Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS6
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	2.5 mm
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Cable
Cable length	2 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...2 mm
Differential travel	1...15% of Sr
Cable composition	3 x 0.11 mm²
Wire insulation material	PvR
Status LED	1 LED (yellow) for output state
Supply voltage limits	10...58 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	42 mm

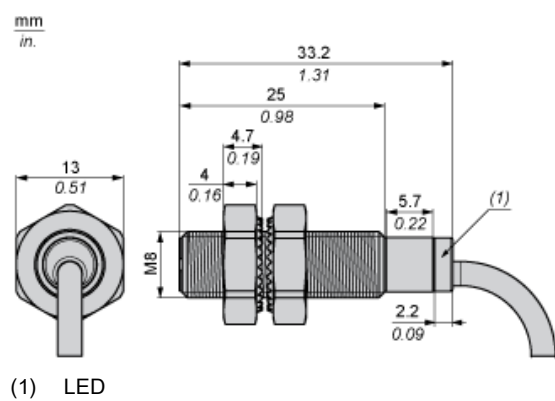|	
Length	51 mm
Product weight	0.035 kg

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 (duration = 11 ms) conforming to IEC 60068-2-27

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1005 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Available Download End Of Life Manual

Telemecanique
Sensors

Dimensions

mm
in.

13
0.51

M18

33.2
1.31

25
0.98

4.7
0.19

4
0.16

5.7
0.22

2.2
0.09

(1)

(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.
≥

Mounting

(1)   Bending cable: 4 x external cable diameter

Telemecanique
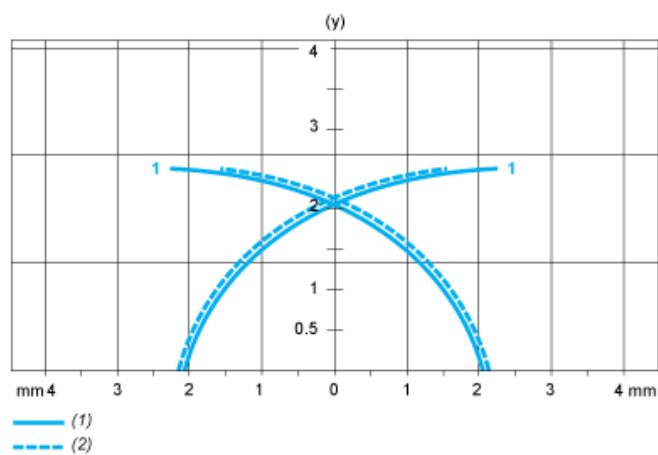**Sensors**

XS608B1PAL2

Wiring Schemes

PNP

BU : Blue
BN : Brown
BK : Black

Performance Curves

Standard Steel Target (mm) : 8x8x1

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

Telemecanique
Sensors