

# Product Datasheet

## Characteristic

# 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	0.1 in (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
enclosure material	nickel plated brass
operating zone	0...0.08 in (0...2 mm)
differential travel	1...15% of Sr
status LED	1 LED yellow 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	1.02 in (26 mm)
length	1.65 in (42 mm)

## Environment

product certifications	CSA UL
ambient air temperature for operation	-13...158 °F (-25...70 °C)
ambient air temperature for storage	-40...185 °F (-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
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available