Product Datasheet

Characteristic

XS508B1PAM8

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

Main

range of product	OsiSense XS
series name	general purpose
sensor type	inductive proximity sensor
device application	-
sensor name	XS5
sensor design	cylindrical M8
size	1.65 in (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	12...24 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	nickel plated brass
operating zone	0...0.05 in (0...1.2 mm)
differential travel	1...15% of Sr
status LED	1 LED (yellow) output state
supply voltage limits	10...36 V DC

switching frequency	<= 5000 Hz
voltage drop	<= 2 V, closed state
current consumption	<= 10 mA (no-load)
delay first up	<= 10 ms
delay response	<= 0.1 ms
delay recovery	<= 0.1 ms
marking	CE
threaded length	1.02 in (26 mm)
height	0.39 in (10 mm)
length	1.65 in (42 mm)
product weight	0.06 lb(US) (0.025 kg)

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 0953 -
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months