Product data sheet
Characteristics

XS508B1PAM8

inductive sensor XS5 M8 - L42mm - stainless - Sn15mm - 12..24VDC - M8

Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Product specific 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
[Sd] sensing range	> 0...2.5 mm
[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

ISO thread	M8 x 1
Detection face	Frontal
Enclosure material	Nickel plated brass
Operating zone	0...1.2 mm
Differential travel	1...15% of Sr
Status LED	1 LED (yellow) for output state
Supply voltage limits	10...36 V DC
Switching frequency	<= 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	26 mm
Length	42 mm
CAD overall height	10 mm
CAD overall depth	42 mm
Product weight	0.025 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
RoHS EUR status	Compliant
RoHS EUR conformity date	0953

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