

Product data sheet

Characteristics

XS118BJPAM12

Inductive sensors XS1 M18 - L74mm - Brass - Sn 8mm -
12..24VDC - Connector M12



Main characteristics

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	
Sensor name	XS1
Sensor design	Cylindrical M18
Size	74 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	8 mm
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	M12 connector
Cable length	
[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 double insulation conforming to IEC 60529

Complementary characteristics

Thread type	M18 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel plated brass
Operating zone	0...6.4 mm
Differential travel	1...15% of Sr
Cable composition	
Wire insulation material	
Status LED	1 LED (yellow) for output state
Supply voltage limits	10...36V DC
Switching frequency	<= 1000 Hz
Voltage drop	<= 2V, closed state
Current consumption	<= 10mA (no-load)
Delay first up	<= 10 ms
Delay response	<= 0.3 ms
Delay recovery	<= 0.7 ms
Marking	CE
Threaded length	52 mm
Length	74 mm

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Environment characteristics

Product certifications	CE
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