Product Datasheet

Characteristic

XS112BLPAL2

inductive sensor XS1 M12 - L44mm - brass - Sn2mm - 12..24VDC - cable 2m

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Main

range of product	OsiSense XS
series name	general purpose
sensor type	inductive proximity sensor
sensor name	XS1
sensor design	cylindrical M12
size	1.73 in (44 mm)
body type	fixed
enclosure material	nickel plated brass
type of output signal	discrete
wiring technique	3-wire
[Sn] nominal sensing distance	2 mm
discrete output function	1 NO
discrete output type	PNP
electrical connection	cable
cable length	6.56 ft (2 m)
[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	IP67 conforming to IEC 60529

Complementary

ISO thread	M12 x 1
detection face	frontal
detector flush mounting acceptance	flush mountable
material	metal
front material	PBT
operating zone	0...0.06 in (0...1.6 mm)
differential travel	1...15% of Sr
output circuit type	DC
cable composition	3 x 0.14 mm²
wire insulation material	PVC
status LED	1 LED yellow output state
supply voltage limits	10...36 V DC

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switching frequency	<= 2500 Hz
voltage drop	<= 2 V at closed state
current consumption	<= 10 mA at no-load
delay first up	<= 15 ms
delay response	<= 0.1 ms
delay recovery	<= 0.15 ms
marking	CE
threaded length	1.22 in (31 mm)
height	0.47 in (12 mm)
length	1.73 in (44 mm)
product weight	0.15 lb(US) (0.07 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 11 ms conforming to IEC 60068-2-27

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0903 -
Product environmental profile	Available
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months