Product data sheet Characteristics

XS218BLNAL2C

inductive sensor XS2 M18 - L53mm - brass - Sn8mm - 12..24VDC - cable 2m





Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Sensor name	XS2
Sensor design	Cylindrical M18
Size	53 mm
Body type	Fixed
Enclosure material	Nickel plated brass
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	8 Mm
Discrete output function	1 NO
Discrete output type	NPN
Electrical connection	Cable
Cable length	2 M
[Us] rated supply voltage	1224 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	M18 x 1
Detection face	Frontal
Detector flush mounting acceptance	Non flush mountable
Material	Metal
Front material	PBT
Operating zone	06.4 Mm
Differential travel	115% of Sr
Output circuit type	DC
Cable composition	3 x 0.14 mm²
Wire insulation material	PVC
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	1036 V DC
Switching frequency	<= 500 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	<= 10 mA no-load

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Maximum delay first up	15 Ms	
Maximum delay response	0.1 Ms	
Maximum delay recovery	1 Ms	
Marking	CE	
Threaded length	33 Mm	
Height	18 Mm	
Length	53 Mm	
Net weight	0.015 Kg	

Environment

Product certifications	CSA UL
Ambient air temperature for operation	-2570 °C
Ambient air temperature for storage	-4085 °C
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 1055 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	☑ REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	₫Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	☑ End Of Life Information

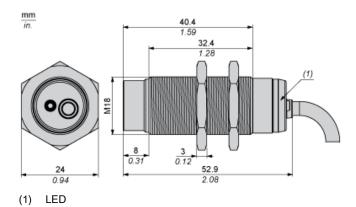
Contractual warranty

Warranty	18 months
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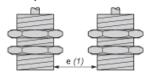
XS218BLNAL2C

Dimensions



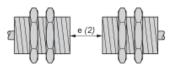
Minimum Mounting Distances

Side by side

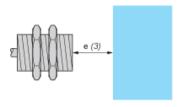


e (1) \$2 mm/1.26 in.

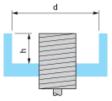
Face to face



e (2) 296 mm/3.78 in. Facing a metal object



e (3) **2**4 mm/0.94 in. Mounted in a metal support

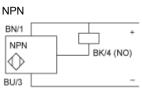


d ≥ 56 mm/2.20 in. h ≥ 16 mm/0.63 in.

Product data sheet Connections and Schema

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Wiring Schemes

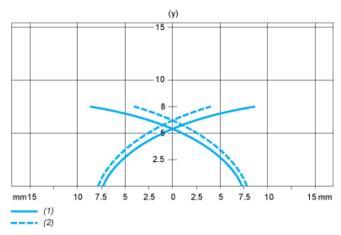


BU : Blue BN : Brown BK : Black

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Performance Curves

Standard Steel Target: 24x24x1 mm



- (1) Pick-up points
- (2) Drop-out points (object approaching from the side)
- (y) Sensing distance in mm

Product Life Status: Commercialised