

Product data sheet Characteristics

XS506BSCAL2

inductive sensor XS5 Ø6.5 - L33mm - stainless - Sn1.5mm - 12..24VDC - cable 2m





Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS5
Sensor design	Cylindrical Ø 6.5 mm plain
Size	33 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Stainless steel
Type of output signal	Discrete
Wiring technique	2-wire
[Sn] nominal sensing distance	1.5 mm
Discrete output function	1 NO
Output circuit type	DC
Electrical connection	Cable
Cable length	2 m
[Us] rated supply voltage	1224 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

Complementary	
Detection face	Frontal
Front material	PPS
Enclosure material	Stainless steel 303
Operating zone	01.2 mm
Differential travel	115% of Sr
Cable composition	2 x 0.11 mm²
Wire insulation material	PVC
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	1036 V DC
Switching frequency	<= 4000 Hz
Maximum voltage drop	<4 V (closed)
Maximum delay first up	10 ms
Maximum delay response	0.2 ms
Maximum delay recovery	0.2 ms
Marking	CE
Length	33 mm
Net weight	0.035 kg

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Environment

Product certifications	UL[RETURN]CSA
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

Packing Units

PCE	
1	
13 cm	
4.1 cm	
9.4 cm	
48 g	
	1 13 cm 4.1 cm 9.4 cm

Offer Sustainability

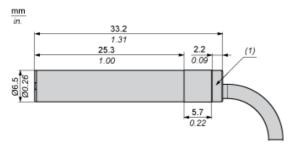
Sustainable offer status	Green Premium product
REACh Regulation	[™] REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	€ Yes
Circularity Profile	End Of Life Information

Contractual warranty

Product data sheet Dimensions Drawings

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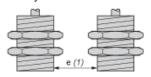
Dimensions



(1) LED

Minimum Mounting Distances

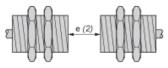
Side by side



e (1) 3 mm/0.12 in.

2

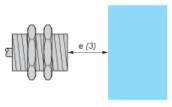
Face to face



e (2) 18 mm/0.71 in.

≥

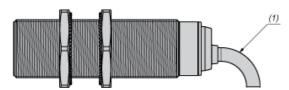
Facing a metal object



e (3) 4.5 mm/0.18 in.

≥

Mounting



(1) Bending cable: 4 x external cable diameter

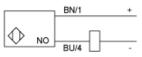
Product data sheet Connections and Schema

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Wiring Schemes

2-Wire DC Polarised

NO output

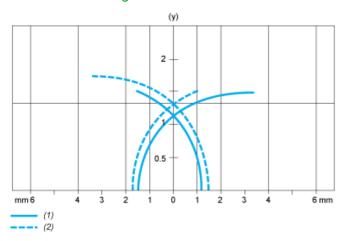


BU: Blue BN: Brown

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Performance Curves

Standard Steel Target: 8x8x1 mm



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