

## Product data sheet Characteristics

## XS506BSCAL01M12

inductive sensor XS5 Ø6.5 - L33mm - stainless - Sn1.5mm - 12..24VDC - M12 0.15m





#### 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	Remote male connector M12, 4 pins
Cable length	0.15 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

Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	6.4 cm	
Package 1 Width	4.1 cm	
Package 1 Length	9.4 cm	
Package 1 Weight	10 g	

### Offer Sustainability

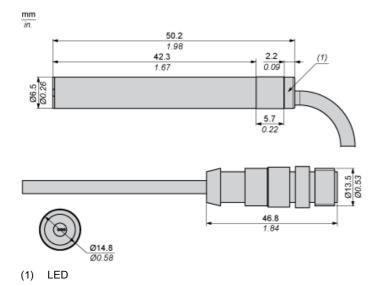
Sustainable offer status	Green Premium product	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EVEL RoHS  Declaration	
Mercury free	Yes	
RoHS exemption information	₫Yes	
Circularity Profile	End Of Life Information	

### Contractual warranty

Warranty	18 months

# XS506BSCAL01M12

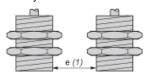
#### **Dimensions**



# XS506BSCAL01M12

#### Minimum Mounting Distances

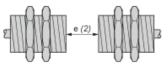
#### Side by side



e (1) 3 mm/0.12 in.

≥

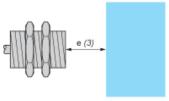
Face to face



e (2) 18 mm/0.71 in.

≥

Facing a metal object



e (3) 4.5 mm/0.18 in.

≥

## Product data sheet Connections and Schema

# XS506BSCAL01M12

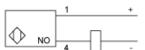
### Wiring Schemes

#### 2-Wire Polarised

M12 connector



NO output

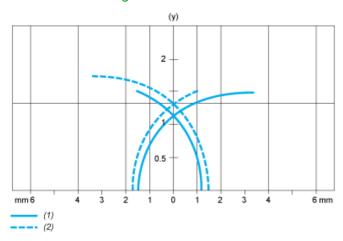


## Product data sheet **Performance Curves**

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#### **Performance Curves**

### Standard Steel Target: 8x8x1 mm



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