# Product datasheet Characteristics

## XS618B1PAM12

inductive sensor XS6 M18 - L74mm - brass - Sn8mm - 12..48VDC - M12





#### Main

Series name General purpose  Sensor type Inductive proximity sensor  Device application Mobile equipment  Sensor name XS6  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 Male connector M12, 4 pins  [Us] rated supply voltage 1248 V DC with reverse polarity protection  Switching capacity in mA  <= 200 mA DC with overload and short-circuit protection			
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Switching capacity in mA <= 200 mA DC with overload and short-circuit protection	Electrical connection	Male connector M12, 4 pins	-4
Switching capacity in mA <= 200 mA DC with overload and short-circuit protection	[Us] rated supply voltage	1248 V DC with reverse polarity protection	-3
10.1	Switching capacity in mA	<= 200 mA DC with overload and short-circuit protection	_ ;
	IP degree of protection		- 60000

#### Complementary

Thread type	M18 x 1	
Detection face	Frontal	1
Front material	PPS	F

Enclosure material	Nickel plated brass
Sensing range	> 48 mm
Operating zone	06.4 mm
Differential travel	115% of Sr
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	1058 V DC
Switching frequency	<= 1000 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	10 ms
Maximum delay response	0.3 ms
Maximum delay recovery	0.7 ms
Marking	CE
Threaded length	52 mm
Length	74 mm
Net weight	0.04 kg

#### Environment

Product certifications	CSA	
	E2	
	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	

### Packing Units

Package 1 Weight	0.074 kg	
Package 1 Height	0.420 dm	
Package 1 width	0.650 dm	
Package 1 Length	0.950 dm	

#### Offer Sustainability

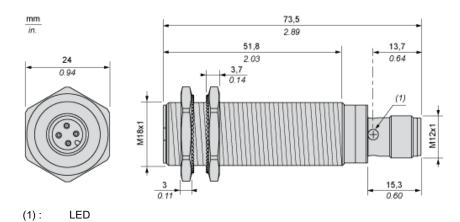
Sustainable offer status	Green Premium product	
REACh Regulation	REACh Declaration	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration	
Mercury free	Yes	
RoHS exemption information	Yes	
Environmental Disclosure	Product Environmental Profile	
Circularity Profile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

#### Contractual warranty

Warranty	18 months

## XS618B1PAM12

#### **Dimensions**

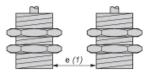


# Product datasheet Mounting and Clearance

## XS618B1PAM12

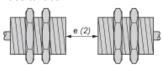
### Minimum Mounting Distances

#### Side by side

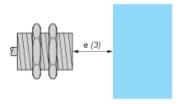


e (1) ≥ 16 mm/0.63 in.

Face to face



e (2) ≥ 100 mm/3.94 in. Facing a metal object



e (3) ≥ 25 mm/0.98 in

# Product datasheet Connections and Schema

## XS618B1PAM12

### Wiring Schemes

#### M12 connector



PNP

