## Product data sheet Characteristics

## XS618B1PBM12

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  I Type of output signal Discrete  Wiring technique 3-wire  [Sn] nominal sensing distance Discrete output function 1 NC  Output circuit type DC  Discrete output type PNP  Electrical connection Male connector M12, 4 pins  [Us] rated supply voltage  Switching capacity in mA  IP degree of protection IP67 IEC 60529 IP69K DIN 40050	Range of product	OsiSense XS
Device application Mobile equipment  Sensor name XS6  Sensor design Cylindrical M18  Size 74 mm  Body type Fixed  Detector flush mounting acceptance  Material Metal  Type of output signal Discrete  Wiring technique 3-wire  [Sn] nominal sensing distance  Discrete output function 1 NC  Output circuit type DC  Discrete output type PNP  Electrical connection Male connector M12, 4 pins  [Us] rated supply voltage  Switching capacity in mA  IP degree of protection IP67 IEC 60529	Series name	General purpose
Sensor name XS6 Sensor design Cylindrical M18 Size 74 mm  Body type Fixed  Detector flush mounting acceptance  Material Metal  Type of output signal Discrete  Wiring technique 3-wire  [Sn] nominal sensing distance  Discrete output function 1 NC  Output circuit type DC  Discrete output type PNP  Electrical connection Male connector M12, 4 pins  [Us] rated supply voltage  Switching capacity in mA  IP degree of protection IP67 IEC 60529	Sensor type	Inductive proximity sensor
Sensor design Cylindrical M18 Size 74 mm  Body type Fixed Detector flush mounting acceptance Material Metal Type of output signal Wiring technique 3-wire [Sn] nominal sensing distance Discrete output function Discrete output function 1 NC Output circuit type DC Discrete output type Electrical connection Male connector M12, 4 pins [Us] rated supply voltage Switching capacity in mA IP degree of protection  Cylindrical M18  Fixed  Flush mountable  Flush mountable  Selector  Flush mountable  Cylindrical M18  Flush mountable  Selector  Flush mountable  Selector  Flush mountable  Type of output signal  Discrete  Discrete  Us 1 no	Device application	Mobile equipment
Size 74 mm  Body type Fixed  Detector flush mounting acceptance  Material Metal  Type of output signal Discrete  Wiring technique 3-wire  [Sn] nominal sensing distance  Discrete output function 1 NC  Output circuit type DC  Discrete output type PNP  Electrical connection Male connector M12, 4 pins  [Us] rated supply voltage  Switching capacity in mA  IP degree of protection IP67 IEC 60529	Sensor name	XS6
Body type Fixed  Detector flush mounting acceptance  Material Metal  Type of output signal Discrete  Wiring technique 3-wire  [Sn] nominal sensing distance  Discrete output function 1 NC  Output circuit type DC  Discrete output type PNP  Electrical connection Male connector M12, 4 pins  [Us] rated supply voltage  Switching capacity in mA  IP degree of protection IP67 IEC 60529	Sensor design	Cylindrical M18
Detector flush mounting acceptance  Material Metal  Type of output signal Discrete  Wiring technique 3-wire  [Sn] nominal sensing distance  Discrete output function 1 NC  Output circuit type DC  Discrete output type PNP  Electrical connection Male connector M12, 4 pins  [Us] rated supply voltage  Switching capacity in mA  IP degree of protection IP67 IEC 60529	Size	74 mm
acceptance  Material Metal  Type of output signal Discrete  Wiring technique 3-wire  [Sn] nominal sensing distance  Discrete output function 1 NC  Output circuit type DC  Discrete output type PNP  Electrical connection Male connector M12, 4 pins  [Us] rated supply voltage  Switching capacity in mA  IP degree of protection IP67 IEC 60529	Body type	Fixed
Type of output signal  Discrete  Wiring technique  3-wire  [Sn] nominal sensing distance  Discrete output function  Output circuit type  DC  Discrete output type  PNP  Electrical connection  [Us] rated supply voltage  Switching capacity in mA  IP degree of protection  Discrete  1 NC  0.31 in (8 mm)  1 NC  0.32 in (8 mm)  1 NC  Output circuit type  DC  PNP  Electrical connection  Male connector M12, 4 pins  1248 V DC reverse polarity protection  voltage  Switching capacity in mA  IP degree of protection  IP67 IEC 60529	•	Flush mountable
Wiring technique 3-wire  [Sn] nominal sensing distance  Discrete output function 1 NC  Output circuit type DC  Discrete output type PNP  Electrical connection Male connector M12, 4 pins  [Us] rated supply voltage  Switching capacity in mA  IP degree of protection IP67 IEC 60529	Material	Metal
[Sn] nominal sensing distance  Discrete output function 1 NC  Output circuit type DC  Discrete output type PNP  Electrical connection Male connector M12, 4 pins  [Us] rated supply voltage Switching capacity in mA  IP degree of protection IP67 IEC 60529	Type of output signal	Discrete
distance  Discrete output function 1 NC  Output circuit type DC  Discrete output type PNP  Electrical connection Male connector M12, 4 pins  [Us] rated supply voltage 1248 V DC reverse polarity protection voltage  Switching capacity in mA  IP degree of protection IP67 IEC 60529	Wiring technique	3-wire
Output circuit type DC  Discrete output type PNP  Electrical connection Male connector M12, 4 pins  [Us] rated supply voltage 1248 V DC reverse polarity protection  Switching capacity in mA  IP degree of protection IP67 IEC 60529		0.31 in (8 mm)
Discrete output type PNP  Electrical connection Male connector M12, 4 pins  [Us] rated supply voltage 1248 V DC reverse polarity protection voltage	Discrete output function	1 NC
Electrical connection  [Us] rated supply voltage  Switching capacity in mA  IP degree of protection  Male connector M12, 4 pins  1248 V DC reverse polarity protection  4 = 200 mA DC overload and short-circuit protection  IP67 IEC 60529	Output circuit type	DC
[Us] rated supply voltage  Switching capacity in MA  IP degree of protection  1248 V DC reverse polarity protection  4 = 200 mA DC overload and short-circuit protection  1P67 IEC 60529	Discrete output type	PNP
voltage  Switching capacity in mA  IP degree of protection  Voltage  Switching capacity in mA IP67 IEC 60529	Electrical connection	Male connector M12, 4 pins
mA IP degree of protection IP67 IEC 60529		1248 V DC reverse polarity protection
g p p	0 . ,	<= 200 mA DC overload and short-circuit protection
	IP degree of protection	

### Complementary

Complementary	
Thread type	M18 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel Plated Brass
Sensing range	> 0.160.31 in (> 48 mm)
Operating zone	0.000.25 in (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	2.05 in (52 mm)
Length	2.91 in (74 mm)
Net weight	0.09 lb(US) (0.04 kg)

### Environment

Product certifications	UL CSA E2	
Ambient air temperature for operation	-13158 °F (-2570 °C)	
Ambient air temperature for storage	-40185 °F (-4085 °C)	
Vibration resistance	25 gn +/- 2 mm 1055 Hz)IEC 60068-2-6	
Shock resistance	50 gn 11 ms IEC 60068-2-27	

### Ordering and shipping details

Category	22486 - SENSORS, PROXIMITY	
Discount Schedule	DS2	
GTIN	00785901872238	
Nbr. of units in pkg.	1	
Package weight(Lbs)	0.17 lb(US) (0.08 kg)	
Returnability	Yes	
Country of origin	ID	

## Packing Units

Package 1 Height	0.420 dm
Package 1 width	0.960 dm
Package 1 Length	0.670 dm

#### Offer Sustainability

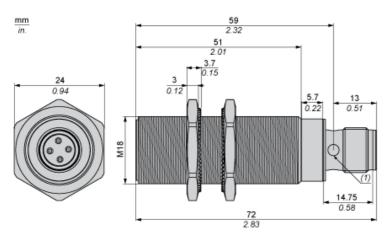
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
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
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# XS618B1PBM12

### **Dimensions**

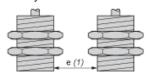


(1) LED

## XS618B1PBM12

### Minimum Mounting Distances

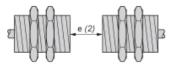
### Side by side



e (1) 16 mm/0.63 in.

≥

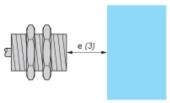
Face to face



e (2) 100 mm/3.94 in.

≥

Facing a metal object



e (3) 25 mm/0.98 in

≥

## Product data sheet Connections and Schema

# XS618B1PBM12

### Wiring Schemes

#### M12 connector



PNP

