# XS618B1PBL01C

inductive sensor XS6 M18 - L62mm - brass - Sn8mm - 12..48VDC - DIN 0.15m



#### Main

Mairi	
Range of product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	Mobile equipment
Sensor name	XS6
Sensor design	Cylindrical M18
Size	62 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 NC
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Remote male connector DIN 43650A
Cable length	0.15 m
[Us] rated supply voltage	1248 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA DC with overload and short-circuit protection
IP degree of protection	IP68 double insulation conforming to IEC 60529 IP69K conforming to DIN 40050

#### Complementary

Thread type         M18 x 1           Detection face         Frontal           Front material         PPS           Enclosure material         Nickel plated brass           Sensing range         > 48 mm           Operating zone         06.4 mm           Differential travel         115% of Sr           Cable composition         3 x 0.34 mm²           Wire insulation material         PVC           Status LED         Output state: 1 LED (yellow)           Supply voltage limits         1058 V DC           Switching frequency         <= 1000 Hz DC           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         62 mm           Net weight         0.15 kg	Complementary	
Front material         PPS           Enclosure material         Nickel plated brass           Sensing range         > 48 mm           Operating zone         06.4 mm           Differential travel         115% of Sr           Cable composition         3 x 0.34 mm²           Wire insulation material         PVC           Status LED         Output state: 1 LED (yellow)           Supply voltage limits         1058 V DC           Switching frequency         <= 1000 Hz DC	Thread type	M18 x 1
Enclosure material Nickel plated brass  Sensing range > 48 mm  Operating zone 06.4 mm  Differential travel 115% of Sr  Cable composition 3 x 0.34 mm²  Wire insulation material PVC  Status LED Output state: 1 LED (yellow)  Supply voltage limits 1058 V DC  Switching frequency <= 1000 Hz DC  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 62 mm	Detection face	Frontal
Sensing range > 48 mm  Operating zone 06.4 mm  Differential travel 115% of Sr  Cable composition 3 x 0.34 mm²  Wire insulation material PVC  Status LED Output state: 1 LED (yellow)  Supply voltage limits 1058 V DC  Switching frequency <= 1000 Hz DC  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 62 mm	Front material	PPS
Operating zone 06.4 mm  Differential travel 115% of Sr  Cable composition 3 x 0.34 mm²  Wire insulation material PVC  Status LED Output state: 1 LED (yellow)  Supply voltage limits 1058 V DC  Switching frequency <= 1000 Hz DC  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 62 mm	Enclosure material	Nickel plated brass
Differential travel 115% of Sr Cable composition 3 x 0.34 mm² Wire insulation material PVC Status LED Output state: 1 LED (yellow) Supply voltage limits 1058 V DC Switching frequency <= 1000 Hz DC 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 62 mm	Sensing range	> 48 mm
Cable composition 3 x 0.34 mm²  Wire insulation material PVC  Status LED Output state: 1 LED (yellow)  Supply voltage limits 1058 V DC  Switching frequency <= 1000 Hz DC  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  Maximum delay recovery 0.7 ms  Marking CE  Threaded length 52 mm  Length 62 mm	Operating zone	06.4 mm
Wire insulation material PVC  Status LED Output state: 1 LED (yellow)  Supply voltage limits 1058 V DC  Switching frequency <= 1000 Hz DC  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 62 mm	Differential travel	115% of Sr
Status LED  Output state: 1 LED (yellow)  Supply voltage limits  1058 V DC  Switching frequency  <= 1000 Hz DC  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	Cable composition	3 x 0.34 mm <sup>2</sup>
Supply voltage limits 1058 V DC  Switching frequency <= 1000 Hz DC  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 62 mm	Wire insulation material	PVC
Switching frequency <= 1000 Hz DC  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 62 mm	Status LED	Output state: 1 LED (yellow)
Maximum voltage drop<2 V (closed)Current consumption<= 10 mA no-load	Supply voltage limits	1058 V DC
Current consumption<= 10 mA no-load	Switching frequency	<= 1000 Hz DC
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 62 mm	Maximum voltage drop	<2 V (closed)
Maximum delay response0.3 msMaximum delay recovery0.7 msMarkingCEThreaded length52 mmLength62 mm	Current consumption	<= 10 mA no-load
Maximum delay recovery         0.7 ms           Marking         CE           Threaded length         52 mm           Length         62 mm	Maximum delay first up	10 ms
Marking CE Threaded length 52 mm Length 62 mm	Maximum delay response	0.3 ms
Threaded length 52 mm  Length 62 mm	Maximum delay recovery	0.7 ms
Length 62 mm	Marking	CE
	Threaded length	52 mm
Net weight 0.15 kg	Length	62 mm
	Net weight	0.15 kg

### **Environment**

Product certifications	E2
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

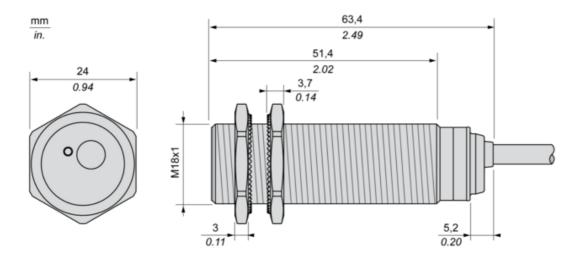
Unit Type of Package 1	PCE
Number of Units in Package 1	1

### Contractual warranty

Warranty	18 months
----------	-----------

# XS618B1PBL01C

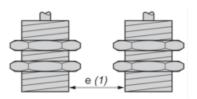
### **Dimensions**



# XS618B1PBL01C

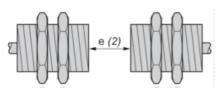
### Minimum Mounting Distances

### Side by side

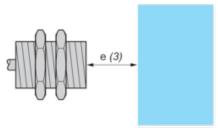


e (1)  $\geq$  16 mm/0.63 in.

### Face to face



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



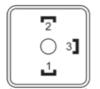
 $e(3) \ge 25 \text{ mm}/0.98 \text{ in}$ 

# Product data sheet Connections and Schema

# XS618B1PBL01C

### Wiring Schemes

### EN 175301-803-A



PNP

