



# THE DATASHEET OF XUVR0605PANM8

# XS1M18MA250K

Inductive proximity sensors XS, inductive sensor XS1 M18, L72mm, brass, Sn5mm, 24...240VAC/DC, 1/2"



## Main

|                                    |                                                                                                            |
|------------------------------------|------------------------------------------------------------------------------------------------------------|
| Range of Product                   | Telemecanique Inductive proximity sensors XS                                                               |
| Series name                        | General purpose                                                                                            |
| Sensor Type                        | Inductive proximity sensor                                                                                 |
| Wiring configuration               | 2-wire                                                                                                     |
| Output circuit type                | AC/DC                                                                                                      |
| Protection type                    | Short-circuit protection multi voltage                                                                     |
| Device Application                 | 2-wire DC short-circuit protection                                                                         |
| Sensor name                        | XS1                                                                                                        |
| Sensor design                      | Cylindrical M18                                                                                            |
| Size                               | 72 mm                                                                                                      |
| Body type                          | Fixed                                                                                                      |
| Detector flush mounting acceptance | Flush mountable                                                                                            |
| Material                           | Metal                                                                                                      |
| Type of output signal              | Discrete                                                                                                   |
| Wiring Technique                   | 2-wire                                                                                                     |
| [Sn] nominal sensing distance      | 0.20 in (5 mm)                                                                                             |
| Discrete output function           | 1 NO                                                                                                       |
| Electrical connection              | Male connector 1/2"20 UNF, 3 pins                                                                          |
| [Us] rated supply voltage          | 24...210 V DC<br>24...240 V AC 50/60 Hz                                                                    |
| Switching capacity in mA           | 5...300 mA AC overload and short-circuit protection<br>5...200 mA DC overload and short-circuit protection |
| IP degree of protection            | IP67 conforming to IEC 60529                                                                               |

## Complementary

|                          |                                                      |
|--------------------------|------------------------------------------------------|
| Thread type              | M18 x 1                                              |
| Detection face           | Frontal                                              |
| Front material           | PPS                                                  |
| Enclosure Material       | Nickel Plated Brass                                  |
| Operating zone           | 0.00...0.16 in (0...4 mm)                            |
| Differential travel      | 1...15% of Sr                                        |
| Status LED               | Output state 1 LED yellow)<br>Supply on 1 LED green) |
| Maximum residual current | 1.5 mA open state                                    |
| Switching frequency      | <= 2000 Hz DC<br><= 25 Hz AC                         |
| Maximum voltage drop     | <5.5 V closed state)                                 |
| Maximum delay first up   | 70 ms                                                |
| Maximum delay response   | 2 ms                                                 |
| Maximum delay recovery   | 4 ms                                                 |
| Marking                  | CE                                                   |
| Threaded length          | 2.01 in (51 mm)                                      |
| Length                   | 2.83 in (72 mm)                                      |

## Environment

|                                       |                                         |
|---------------------------------------|-----------------------------------------|
| Product Certifications                | CCC<br>CSA<br>UL                        |
| Ambient air temperature for operation | -13...158 °F (-25...70 °C)              |
| Ambient Air Temperature for Storage   | -40...185 °F (-40...85 °C)              |
| Vibration resistance                  | 25 gn +/- 2 mm 10...55 Hz)IEC 60068-2-6 |
| Shock resistance                      | 50 gn 11 ms IEC 60068-2-7               |

## Ordering and shipping details

|                       |                            |
|-----------------------|----------------------------|
| Category              | 22486 - SENSORS, PROXIMITY |
| Discount Schedule     | DS2                        |
| GTIN                  | 3389110915686              |
| Nbr. of units in pkg. | 1                          |
| Package weight(Lbs)   | 2.22 oz (63 g)             |
| Returnability         | Yes                        |
| Country of origin     | FR                         |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Package 1 Height             | 1.61 in (4.1 cm)       |
| Package 1 width              | 2.64 in (6.7 cm)       |
| Package 1 Length             | 3.74 in (9.5 cm)       |
| Unit Type of Package 2       | S01                    |
| Number of Units in Package 2 | 22                     |
| Package 2 Weight             | 4.05 lb(US) (1.837 kg) |
| Package 2 Height             | 5.91 in (15 cm)        |
| Package 2 width              | 5.91 in (15 cm)        |
| Package 2 Length             | 15.75 in (40 cm)       |

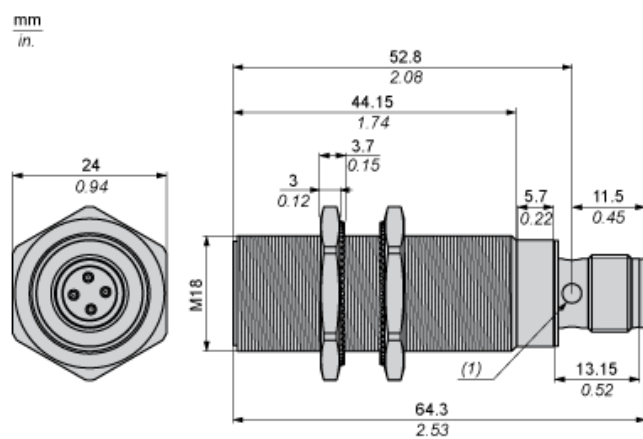
## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                                                                                                                 |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>                                                                                                                                                                                                                                                                                    |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                                                                                                               |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                                                                                                                                                                                                                                                                               |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                                                                                                                                                                                                                                                                                     |
| Circularity Profile        | <a href="#">End Of Life Information</a>                                                                                                                                                                                                                                                                                                                                           |

## Contractual warranty

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

## Dimensions

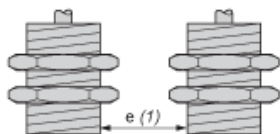


---

Minimum Mounting Distances

---

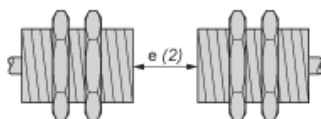
Side by side



e (1) 10 mm/0.39 in.

≥

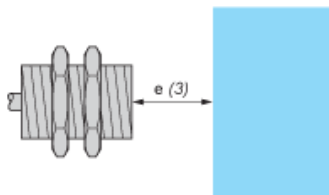
Face to face



e (2) 60 mm/2.36 in.

≥

Facing a metal object

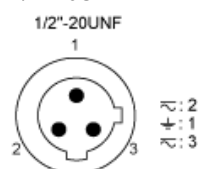


e (3) 15 mm/0.60 in

≥

## Wiring Schemes

1/2"-20UNF

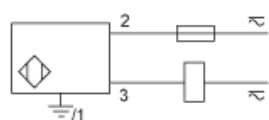


1 : Grounding

2 : AC

3 : AC

NO output

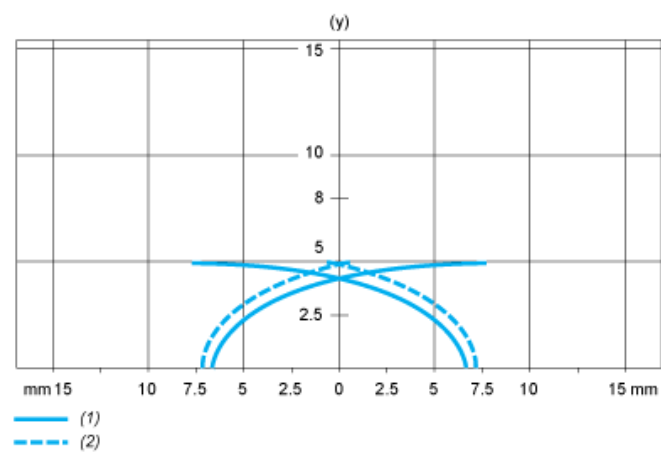


---

Performance Curves

---

Standard Steel Target : 18x18x1 mm



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

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 View [XUVR0605PANM8](#) on WIN SOURCE

 [Manufacturer](#) Information

## Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management