

# XS618B4MBU20

Inductive proximity sensors XS, inductive sensor XS6 M18, L72mm, brass, Sn12mm, 24...240VAC/DC, 1/2"



## Main

|                                    |                                                               |
|------------------------------------|---------------------------------------------------------------|
| Range of product                   | Telemecanique Inductive proximity sensors XS                  |
| Series name                        | General purpose                                               |
| Sensor type                        | Inductive proximity sensor                                    |
| Sensor name                        | XS6                                                           |
| Sensor design                      | Cylindrical M18                                               |
| Size                               | 72 mm                                                         |
| Body type                          | Fixed                                                         |
| Detector flush mounting acceptance | Non flush mountable                                           |
| Material                           | Metal                                                         |
| Type of output signal              | Discrete                                                      |
| Wiring technique                   | 2-wire                                                        |
| [Sn] nominal sensing distance      | 12 mm                                                         |
| Discrete output function           | 1 NC                                                          |
| Output circuit type                | AC/DC                                                         |
| Electrical connection              | Male connector 1/2"20 UNF, 3 pins                             |
| [Us] rated supply voltage          | 24...240 V AC/DC 50/60 Hz                                     |
| Switching capacity in mA           | 5...200 mA DC<br>5...300 mA AC                                |
| IP degree of protection            | IP67 conforming to IEC 60529<br>IP69K conforming to DIN 40050 |

## Complementary

|                          |                              |
|--------------------------|------------------------------|
| Thread type              | M18 x 1                      |
| Detection face           | Frontal                      |
| Front material           | PPS                          |
| Enclosure material       | Nickel plated brass          |
| Sensing range            | > 8...15 mm                  |
| Operating zone           | 0...9.6 mm                   |
| Differential travel      | 1...15% of Sr                |
| Status LED               | Output state: 1 LED (yellow) |
| Supply voltage limits    | 20...264 V AC/DC             |
| Maximum residual current | 0.8 mA open state            |
| Switching frequency      | <= 1000 Hz DC<br><= 25 Hz AC |
| Maximum voltage drop     | <5.5 V (closed)              |
| Maximum delay first up   | 30 ms                        |
| Maximum delay response   | 0.5 ms                       |
| Maximum delay recovery   | 0.5 ms                       |
| Marking                  | CE                           |
| Threaded length          | 44 mm                        |
| Length                   | 72 mm                        |

## Environment

|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| Product certifications                | UL<br>CSA                                                               |
| Ambient air temperature for operation | -25...70 °C                                                             |
| Ambient air temperature for storage   | -40...85 °C                                                             |
| Vibration resistance                  | 25 gn amplitude = +/- 2 mm (f = 10...55 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 | 0.042 kg |
| Package 1 Height | 0.018 dm |
| Package 1 width  | 0.018 dm |
| Package 1 Length | 0.720 dm |

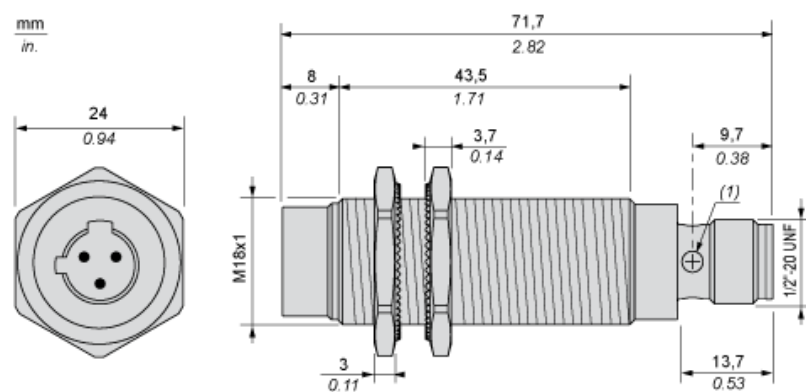
## Offer Sustainability

|                            |                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                          |
| 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 |
|----------|-----------|

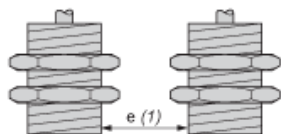
## Dimensions



(1): LED

## Minimum Mounting Distances

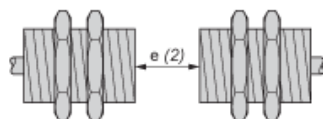
Side by side



e (1) 72 mm/2.83 in.

≥

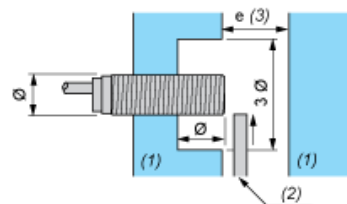
Face to face



e (2) 144 mm/5.67 in.

≥

Facing a metal object



e (3) 36 mm/1.42 in

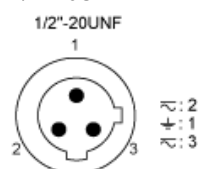
≥

(1) Metal

(2) Object to be detected

## Wiring Schemes

1/2"-20UNF



- 1 : Grounding
- 2 : AC
- 3 : AC

NC output

