

# XS518BLNAL2

Inductive proximity sensors XS, inductive sensor XS5 M18, L62mm, brass, Sn5mm, 12...48 VDC, cable 2 m



## Main

|                                    |                                                                                 |
|------------------------------------|---------------------------------------------------------------------------------|
| Range of Product                   | Telemecanique Inductive proximity sensors XS                                    |
| Series name                        | General purpose                                                                 |
| Sensor Type                        | Inductive proximity sensor                                                      |
| Device Application                 | -                                                                               |
| Sensor name                        | XS5                                                                             |
| 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      | 0.20 in (5 mm)                                                                  |
| Discrete output function           | 1 NO                                                                            |
| Output circuit type                | DC                                                                              |
| Discrete output type               | NPN                                                                             |
| Electrical connection              | cable                                                                           |
| Cable length                       | 6.56 ft (2 m)                                                                   |
| [Us] rated supply voltage          | 12...48 V DC reverse polarity protection                                        |
| Switching capacity in mA           | <= 200 mA DC overload and short-circuit protection                              |
| IP degree of protection            | IP68 double insulation 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        |
| Operating zone           | 0.00...0.16 in (0...4 mm)  |
| Differential travel      | 1...15% of Sr              |
| Cable composition        | 3 x 0.34 mm <sup>2</sup>   |
| Wire insulation material | PvR                        |
| Status LED               | Output state 1 LED yellow) |
| Supply voltage limits    | 10...58 V DC               |
| Switching frequency      | <= 2000 Hz                 |
| Maximum voltage drop     | <2 V closed)               |
| Current consumption      | <= 10 mA no-load           |
| Maximum delay first up   | 10 ms                      |
| Maximum delay response   | 0.15 ms                    |
| Maximum delay recovery   | 0.35 ms                    |
| Marking                  | CE                         |
| Threaded length          | 2.05 in (52 mm)            |

|            |                       |
|------------|-----------------------|
| Height     | 0.71 in (18 mm)       |
| Length     | 2.44 in (62 mm)       |
| Net Weight | 0.26 lb(US) (0.12 kg) |

## Environment

|                                       |                                         |
|---------------------------------------|-----------------------------------------|
| Product Certifications                | UL<br>CSA                               |
| 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 60068-2-27              |

## Ordering and shipping details

|                       |                            |
|-----------------------|----------------------------|
| Category              | 22486 - SENSORS, PROXIMITY |
| Discount Schedule     | DS2                        |
| GTIN                  | 3389119046602              |
| Nbr. of units in pkg. | 1                          |
| Package weight(Lbs)   | 3.95 oz (112 g)            |
| Returnability         | Yes                        |
| Country of origin     | FR                         |

## Packing Units

|                              |                       |
|------------------------------|-----------------------|
| Unit Type of Package 1       | PCE                   |
| Package 1 Height             | 1.34 in (3.4 cm)      |
| Package 1 width              | 5.12 in (13 cm)       |
| Package 1 Length             | 4.13 in (10.5 cm)     |
| Unit Type of Package 2       | S02                   |
| Number of Units in Package 2 | 22                    |
| Package 2 Weight             | 6.08 lb(US) (2.76 kg) |
| Package 2 Height             | 5.91 in (15 cm)       |
| Package 2 width              | 11.81 in (30 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 |
|----------|-----------|