

# XS1M18PAW01D

inductive sensor XS1 M18 - L60mm - brass - Sn5mm - 12..24VDC - M12



## Main

|                               |   |
|-------------------------------|---|
| Range of Product              | Telemecanique Inductive proximity sensors XS    |
| Series name                   | Application                                     |
| Sensor Type                   | Inductive proximity sensor                      |
| Device Application            | Welding machine                                 |
| Sensor name                   | XS1   |
| Sensor design                 | Cylindrical M18                                 |
| Size                          | 60 mm   |
| Body type                     | Fixed   |
| Enclosure Material            | Nickel Plated Brass                             |
| Type of output signal         | Discrete  |
| Wiring Technique              | 3-wire  |
| [Sn] nominal sensing distance | 0.20 in (5 mm)                                  |
| Discrete output function      | 1 NO  |
| Discrete output type          | PNP   |
| Electrical connection         | Male connector M12, 4 pins                      |
| [Us] rated supply voltage     | 12...24 V DC reverse polarity protection        |
| Switching capacity in mA      | <= 250 mA overload and short-circuit protection |
| IP degree of protection       | IP67 conforming to IEC 60529                    |

## Complementary

|                                    |                               |
|------------------------------------|-------------------------------|
| Thread type                        | M18 x 1                       |
| Detection face                     | Frontal                       |
| Detector flush mounting acceptance | Flush mountable               |
| Material                           | Metal                         |
| Front material                     | Teflon                        |
| Sensing range                      | > 0.16...0.31 in (> 4...8 mm) |
| Operating zone                     | 0.00...0.16 in (0...4 mm)     |
| Differential travel                | 1...20 % of Sr                |
| Repeat accuracy                    | 3 % of Sr                     |
| Output circuit type                | DC                            |
| Status LED                         | Output state 1 LED yellow)    |
| Supply voltage limits              | 10...36 V DC                  |
| Switching frequency                | <= 500 Hz                     |
| Maximum voltage drop               | <2.5 V closed)                |
| Current consumption                | <= 15 mA no-load              |
| Maximum delay first up             | 10 ms                         |
| Maximum delay response             | 0.2 ms                        |
| Maximum delay recovery             | 0.6 ms                        |
| Marking                            | CE                            |
| Threaded length                    | 1.57 in (40 mm)               |
| Height                             | 0.71 in (18 mm)               |
| Length                             | 2.36 in (60 mm)               |

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## Environment

|                                       |                            |
|---------------------------------------|----------------------------|
| Product Certifications                | CSA[RETURN]JUL             |
| Ambient Air Temperature for Operation | -13...158 °F (-25...70 °C) |

## Ordering and shipping details

|                   |                          |
|-------------------|--------------------------|
| Category          | 22486-SENSORS, PROXIMITY |
| Discount Schedule | DS2                      |
| GTIN              | 00785901078661           |
| Returnability     | No                       |
| Country of origin | DE                       |

## Packing Units

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

## Contractual warranty

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