

# XS8D1A1PAL2

Inductive proximity sensors XS, inductive sensor XS8 80x80x26, PBT, Sn60mm, 12...24 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                        | XS8                                                                  |
| Sensor design                      | Flat form 80 x 80 x 26                                               |
| Size                               | 26 mm                                                                |
| Body type                          | Fixed                                                                |
| Detector flush mounting acceptance | Non flush mountable                                                  |
| Material                           | Plastic                                                              |
| Enclosure Material                 | PBT                                                                  |
| Type of output signal              | Discrete                                                             |
| Wiring Technique                   | 3-wire                                                               |
| [Sn] nominal sensing distance      | 1.6 in (40 mm) flush mountable<br>2.4 in (60 mm) non flush mountable |
| Discrete output function           | 1 NO                                                                 |
| Output circuit type                | DC                                                                   |
| Discrete output type               | PNP                                                                  |
| Electrical connection              | Cable                                                                |
| Cable length                       | 6.6 ft (2 m)                                                         |
| [Us] rated supply voltage          | 12...24 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                       |

## Complementary

|                          |                                                                                            |
|--------------------------|--------------------------------------------------------------------------------------------|
| Detection face           | Frontal                                                                                    |
| Front material           | PBT                                                                                        |
| Fine adjustment zone     | 0.8...1.6 in (20...40 mm) flush mountable<br>0.8...2.4 in (20...60 mm) non flush mountable |
| Differential travel      | 1...15% of Sr                                                                              |
| Cable composition        | 3 x 0.34 mm <sup>2</sup>                                                                   |
| Wire insulation material | PVC                                                                                        |
| Supply voltage limits    | 10...36 V DC                                                                               |
| Maximum residual current | 1.5 mA open state                                                                          |
| Switching frequency      | <= 150 Hz                                                                                  |
| 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   | 6 ms                                                                                       |
| Marking                  | CE                                                                                         |
| Depth                    | 1.02 in (26 mm)                                                                            |
| Height                   | 3.1 in (80 mm)                                                                             |

|            |                       |
|------------|-----------------------|
| Width      | 3.1 in (80 mm)        |
| Net Weight | 0.86 lb(US) (0.39 kg) |

## Environment

|                                       |                                         |
|---------------------------------------|-----------------------------------------|
| Product Certifications                | CSA[RETURN]UL[RETURN]Ecolab             |
| 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          | US10DS222486  |
| Discount Schedule | 0DS2          |
| GTIN              | 3389110142778 |
| Returnability     | No            |
| Country of origin | FR            |

## Packing Units

|                              |                          |
|------------------------------|--------------------------|
| Unit Type of Package 1       | PCE                      |
| Number of Units in Package 1 | 1                        |
| Package 1 Height             | 2.64 in (6.700 cm)       |
| Package 1 Width              | 3.82 in (9.700 cm)       |
| Package 1 Length             | 5.20 in (13.200 cm)      |
| Package 1 Weight             | 14.991 oz (425.000 g)    |
| Unit Type of Package 2       | S02                      |
| Number of Units in Package 2 | 14                       |
| Package 2 Height             | 5.91 in (15 cm)          |
| Package 2 Width              | 11.81 in (30 cm)         |
| Package 2 Length             | 15.75 in (40 cm)         |
| Package 2 Weight             | 14.110 lb(US) (6.400 kg) |

## 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> |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)                                                                                                                                                                                                                                                                                                                        |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                                                                                                               |
| RoHS exemption information |  Yes                                                                                                                                                                                                                                                                                           |
| Circularity Profile        | No need of specific recycling operations                                                                                                                                                                                                                                                                                                                                          |

## Contractual warranty

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