

# XS8C4A4PCP20

Inductive proximity sensors XS, inductive sensor XS8 40x40x117, PBT, Sn40 mm, 12...48 VDC, terminals



## Main

|                                    |   |
|------------------------------------|---|
| Range of Product                   | Telemecanique Inductive proximity sensors XS  |
| Series name                        | General purpose   |
| Sensor Type                        | Inductive proximity sensor  |
| Device Application                 | Mobile equipment  |
| Sensor name                        | XS8   |
| Sensor design                      | Form 40 x 40 x 117  |
| Size                               | 117 mm  |
| Body type                          | Fixed   |
| Detector flush mounting acceptance | Non flush mountable   |
| Material                           | Plastic   |
| Enclosure Material                 | PBT   |
| Type of output signal              | Discrete  |
| Wiring Technique                   | 4-wire  |
| [Sn] nominal sensing distance      | 1.57 in (40 mm)   |
| Discrete output function           | 1 NO + 1 NC   |
| Output circuit type                | DC  |
| Discrete output type               | PNP   |
| Electrical connection              | Screw-clamp terminals, 4 x 1.5 mm <sup>2</sup>  |
| [Us] rated supply voltage          | 12...48 V DC reverse polarity protection  |
| Switching capacity in mA           | <= 200 mA overload and short-circuit protection   |
| IP degree of protection            | IP67 conforming to IEC 60529<br>IP65 conforming to IEC 60529<br>IP69K conforming to DIN 40050 |

## Complementary

|                         |   |
|-------------------------|---|
| Safety level            | SIL 2 EN/IEC 61508<br>PL = d EN/ISO 13849-1<br>SILCL 2 IEC 62061                                      |
| Safety reliability data | MTTFd = 1546 years<br>PFHd = 7.4E-8 1/h<br>SFF = 92 %<br>DC = 75 % with appropriate safety controller |
| Detection face          | 5 positions turret head   |
| Front material          | PBT   |
| Operating zone          | 0.00...1.26 in (0...32 mm)  |
| Differential travel     | 3...15% of Sr   |
| Repeat accuracy         | <= 3% of Sr   |
| Cable entry number      | 1 tapped entry M20 x 1.5 cable gland  |
| Status LED              | Supply on 1 LED green)<br>Output state 1 LED yellow)  |
| Supply voltage limits   | 10...58 V DC  |
| Switching frequency     | <= 200 Hz   |
| Maximum voltage drop    | <2 V closed)  |
| Current consumption     | 0...15 mA no-load   |
| Maximum delay first up  | 7.5 ms  |

|                        |                        |
|------------------------|------------------------|
| Maximum delay response | 1.4 ms                 |
| Maximum delay recovery | 2.5 ms                 |
| Marking                | CE                     |
| Height                 | 1.57 in (40 mm)        |
| Length                 | 1.57 in (40 mm)        |
| Width                  | 4.61 in (117 mm)       |
| Net Weight             | 0.54 lb(US) (0.244 kg) |

## Environment

|                                       |   |
|---------------------------------------|---|
| Product Certifications                | TÜV<br>UL<br>CSA<br>E2<br>CCC           |
| 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 msEN 60068-2-27                |

## Ordering and shipping details

|                       |                            |
|-----------------------|----------------------------|
| Category              | 22486 - SENSORS, PROXIMITY |
| Discount Schedule     | DS2                        |
| GTIN                  | 3389119058315              |
| Nbr. of units in pkg. | 1                          |
| Package weight(Lbs)   | 9.31 oz (264 g)            |
| Returnability         | Yes                        |
| Country of origin     | ID                         |

## Packing Units

|                              |                         |
|------------------------------|-------------------------|
| Unit Type of Package 1       | PCE                     |
| Package 1 Height             | 5.71 in (14.5 cm)       |
| Package 1 width              | 1.97 in (5 cm)          |
| Package 1 Length             | 1.97 in (5 cm)          |
| Unit Type of Package 2       | S02                     |
| Number of Units in Package 2 | 28                      |
| Package 2 Weight             | 17.26 lb(US) (7.828 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>   |

## Contractual warranty

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