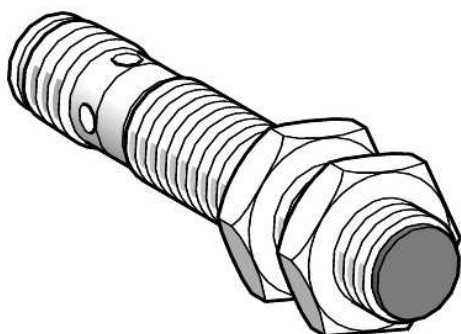


# XS612B1PBM12

inductive sensor XS6 M12 - L62mm - brass -  
Sn4mm - 12..48VDC - M12



Product availability: Stock - Normally stocked in distribution facility



## Main

|                                    |                                                                |
|------------------------------------|----------------------------------------------------------------|
| Commercial Status                  | Commercialised                                                 |
| Range of product                   | OsiSense XS                                                    |
| Series name                        | General purpose                                                |
| Sensor type                        | Inductive proximity sensor                                     |
| Product specific application       | -                                                              |
| Sensor name                        | XS6                                                            |
| Sensor design                      | Cylindrical M12                                                |
| 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      | 0.16 in (4 mm)                                                 |
| Discrete output function           | 1 NC                                                           |
| Output circuit type                | DC                                                             |
| Discrete output type               | PNP                                                            |
| Electrical connection              | Male connector M12 4 pins                                      |
| [Us] rated supply voltage          | 12...48 V DC with reverse polarity protection                  |
| Switching capacity in mA           | <= 200 mA DC with overload and short-circuit protection        |
| IP degree of protection            | IP69 K conforming to DIN 40050<br>IP67 conforming to IEC 60529 |

## Complementary

|                       |                                 |
|-----------------------|---------------------------------|
| ISO thread            | M12 x 1                         |
| Detection face        | Frontal                         |
| Front material        | PPS                             |
| Enclosure material    | Nickel plated brass             |
| Operating zone        | 0...0.13 in (0...3.2 mm)        |
| Differential travel   | 1...15% of Sr                   |
| Status LED            | 1 LED (yellow) for output state |
| Supply voltage limits | 10...58 V DC                    |
| Switching frequency   | <= 2500 Hz                      |
| Voltage drop          | <= 2 V, closed state            |
| Current consumption   | <= 10 mA (no-load)              |
| Delay first up        | <= 10 ms                        |
| Delay response        | <= 0.2 ms                       |
| Delay recovery        | <= 0.2 ms                       |
| Marking               | CE                              |
| Threaded length       | 1.65 in (42 mm)                 |

|                |                       |
|----------------|-----------------------|
| Length         | 2.44 in (62 mm)       |
| Product weight | 0.04 lb(US) (0.02 kg) |

## Environment

|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| Product certifications                | CSA<br>UL                                                               |
| 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, amplitude: +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6 |
| Shock resistance                      | 50 gn (duration = 11 ms) conforming to IEC 60068-2-27                   |

## Ordering and shipping details

|                       |                                                   |
|-----------------------|---------------------------------------------------|
| Category              | 22486 - SENSORS, PROXIMITY                        |
| Discount Schedule     | DS2                                               |
| GTIN                  | 00785901505280                                    |
| Nbr. of units in pkg. | 1                                                 |
| Package weight(Lbs)   | 0.10                                              |
| Product availability  | Stock - Normally stocked in distribution facility |
| Returnability         | Y                                                 |
| Country of origin     | ID                                                |

## Offer Sustainability

|                                  |                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                                 |
| RoHS                             | Compliant - since 0804 - <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold                                     |
| Product environmental profile    | Available <a href="#">Download Product Environmental</a>                              |
| Product end of life instructions | Available <a href="#">Download End Of Life Manual</a>                                 |

## Contractual warranty

|        |           |
|--------|-----------|
| Period | 18 months |
|--------|-----------|