# XS612B1DBM12

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

Green Premium™ Product

Product availability: Non-Stock - Not normally stocked in distribution facility

## Main

| | |
|---|---|
| Range of product | OsiSense XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Device 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 | 2-wire |
| [Sn] nominal sensing distance | 0.16 in (4 mm) |
| Discrete output function | 1 NC |
| Output circuit type | DC |
| Electrical connection | Male connector M12, 4 pins |
| [Us] rated supply voltage | 12...48 V DC reverse polarity protection |
| Switching capacity in mA | <= 100 mA DC overload and short-circuit protection |
| IP degree of protection | IP67 IEC 60529<br>IP69K DIN 40050 |

## Complementary

| | |
|---|---|
| Thread type | M12 x 1 |
| Detection face | Frontal |
| Front material | PPS |
| Enclosure material | Nickel plated brass |
| Operating zone | 0.00…0.13 in (0…3.2 mm) |
| Differential travel | 1...15% of Sr |
| Status LED | Output state 1 LED yellow) |
| Supply voltage limits | 10…58 V DC |
| Switching frequency | <= 2000 Hz DC |
| Maximum voltage drop | <4 V closed) |
| Maximum delay first up | 10 ms |
| Maximum delay response | 0.3 ms |
| Maximum delay recovery | 0.3 ms |
| Marking | CE |
| Threaded length | 1.65 in (42 mm) |
| Length | 2.44 in (62 mm) |
| Net 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 +/- 2 mm 10…55 Hz)IEC 60068-2-6 |
| Shock resistance | 50 gn 11 ms IEC 60068-2-27 |

## Ordering and shipping details

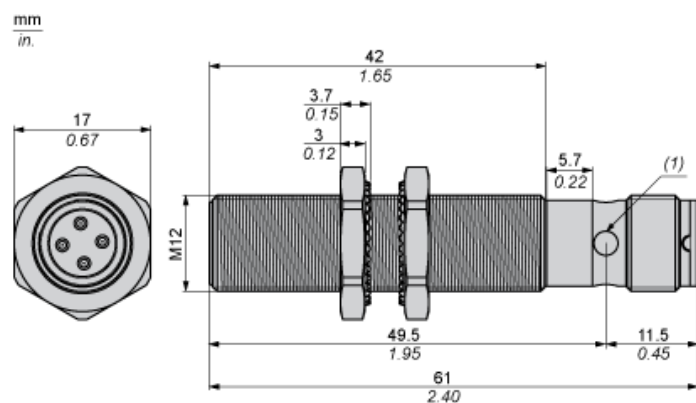| | |
|---|---|
| Category | 22486 - SENSORS, PROXIMITY |
| Discount Schedule | DS2 |
| GTIN | 00785901653509 |
| Package weight(Lbs) | 0.04 kg (0.09 lb(US)) |
| Returnability | No |
| Country of origin | FR |

## Offer Sustainability

| | |
|---|---|
| Sustainable offer status | Green Premium product |
| REACh Regulation | REACh Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |

## Contractual warranty

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

# XS612B1DBM12

## Dimensions



(1)   LED

## Minimum Mounting Distances

Side by side



e (1)  8 mm/0.31 in.
≥

Face to face



e (2)  48 mm/1.89 in.
≥

Facing a metal object



e (3)  12 mm/0.47 in.
≥

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## Wiring Schemes

### 2-Wire Non-polarised

M12 connector



NC output