XS608B1PAL10

Inductive proximity sensors XS, inductive sensor XS6 M8, L51mm, stainless, Sn2.5 mm, 12...48 VDC, cable 10 m



Main

| Range of product | Telemecanique Inductive proximity sensors XS |
|------------------------------------|---|
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Sensor name | XS6 |
| Sensor design | Cylindrical M8 |
| Size | 51 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Flush mountable |
| Material | Stainless steel |
| Type of output signal | Discrete |
| Wiring technique | 3-wire |
| [Sn] nominal sensing distance | 2.5 mm |
| Discrete output function | 1 NO |
| Output circuit type | DC |
| Discrete output type | PNP |
| Electrical connection | Cable |
| Cable length | 10 m |
| [Us] rated supply voltage | 1248 V DC with reverse polarity protection |
| Switching capacity in mA | <= 200 mA DC with overload and short-circuit protection |
| IP degree of protection | IP67 conforming to IEC 60529 |

Complementary

| Complementary | | |
|--------------------------|------------------------------|--|
| Thread type | M8 x 1 | |
| Detection face | Frontal | |
| Front material | PPS | |
| Enclosure material | Stainless steel 303 | |
| Sensing range | > 02.5 mm | |
| Operating zone | 02 mm | |
| Differential travel | 115% of Sr | |
| Cable composition | 3 x 0.11 mm ² | |
| Wire insulation material | PVC | |
| Status LED | Output state: 1 LED (yellow) | |
| Supply voltage limits | 1058 V DC | |
| Switching frequency | <= 2500 Hz | |
| Maximum voltage drop | <2 V (closed) | |
| Current consumption | <= 10 mA no-load | |
| Maximum delay first up | 10 ms | |
| Maximum delay response | 0.2 ms | |
| Maximum delay recovery | 0.2 ms | |
| Marking | CE | |
| Threaded length | 42 mm | |
| Length | 51 mm | |
| Net weight | 0.355 kg | |
| | | |

Environment

| Product certifications | CSA[RETURN]UL |
|---------------------------------------|--|
| Ambient air temperature for operation | -2570 °C |
| Ambient air temperature for storage | -4085 °C |
| Vibration resistance | 25 gn amplitude = +/- 2 mm (f = 1055 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 50 gn for 11 ms conforming to IEC 60068-2-27 |

Packing Units

| Unit Type of Package 1 | PCE | |
|------------------------------|---------|--|
| Number of Units in Package 1 | 1 | |
| Package 1 Height | 4.2 cm | |
| Package 1 Width | 9.6 cm | |
| Package 1 Length | 13.2 cm | |
| Package 1 Weight | 151 g | |

Offer Sustainability

| Sustainable offer status | Green Premium product |
|--|---|
| Circularity Profile | [™] End of Life Information |
| 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 www.P65Warnings.ca.gov |
| For all Reach Rohs enquiries contact us at | sustainability@tesensors.com |

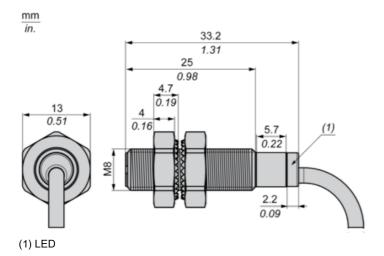
Contractual warranty

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

Product data sheet Dimensions Drawings

XS608B1PAL10

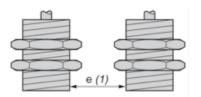
Dimensions



XS608B1PAL10

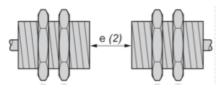
Minimum Mounting Distances in mm

Side by side

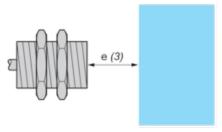


e (1) \geq 5 mm/0.20 in.

Face to face

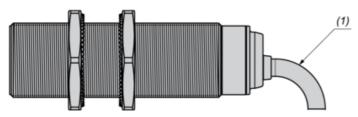


e (2) ≥ 30 mm/1.18 in. Facing a metal object



e (3) \geq 8 mm/0.31 in.

Mounting

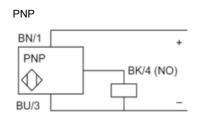


(1) Bending cable: 4 x external cable diameter

Product data sheet Connections and Schema

XS608B1PAL10

Wiring Schemes

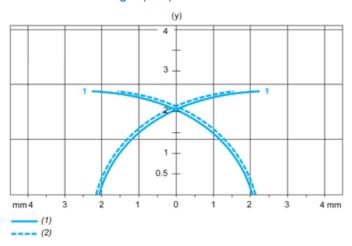


BU : Blue BN : Brown BK : Black

XS608B1PAL10

Performance Curves

Standard Steel Target (mm): 8x8x1



- (1) Pick-up points
- (2) Drop-out points (object approaching from the side)
- (y) Sensing distance in mm