

XS8D1A1PAL10

Inductive proximity sensors XS, inductive sensor XS8 80x80x26, PBT, Sn60mm, 12...24 VDC, cable 10 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 | 40 Mm flush mountable 60 mm non flush mountable |
| Discrete output function | 1 NO |
| Output circuit type | DC |
| Discrete output type | PNP |
| Electrical connection | Cable |
| Cable length | 10 m |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Switching capacity in mA | <= 200 mA DC with 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 | 20...40 Mm flush mountable 20...60 mm non flush mountable |
| Differential travel | 1...15% of Sr |
| Cable composition | 3 x 0.34 mm ² |
| 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 | 26 mm |
| Height | 80 mm |
| Width | 80 mm |
| Net weight | 0.71 kg |

Environment

| | |
|---------------------------------------|---|
| Product certifications | CSA[RETURN]JUL |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -40...85 °C |
| Vibration resistance | 25 gn amplitude = +/- 2 mm (f = 10...55 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 | 9.200 cm |
| Package 1 Width | 9.500 cm |
| Package 1 Length | 14.700 cm |
| Package 1 Weight | 650.000 g |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 7 |
| Package 2 Height | 15 cm |
| Package 2 Width | 30 cm |
| Package 2 Length | 40 cm |
| Package 2 Weight | 4.860 kg |

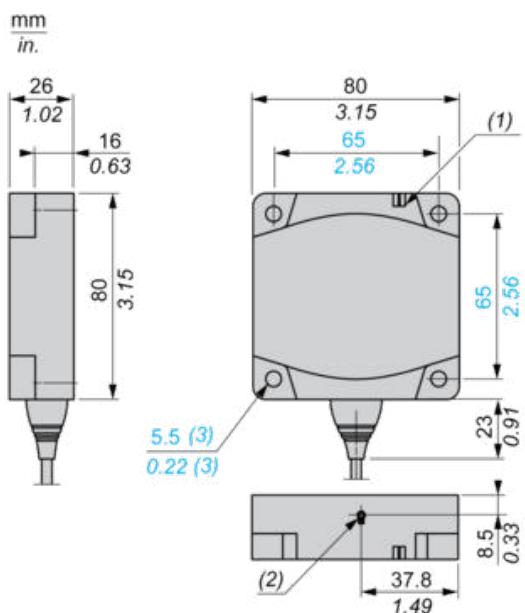
Offer Sustainability

| | |
|--|---|
| Sustainable offer status | Green Premium product |
| Circularity Profile | No need of specific recycling operations |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Diisobutyl 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

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

Dimensions

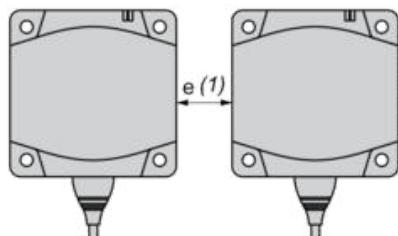


(1) LED
(2) Teach mode button
(3) For CHC type screws

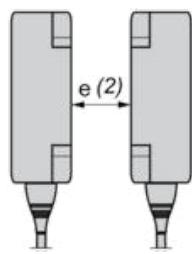
Setting-up

Minimum Mounting Distances (mm)

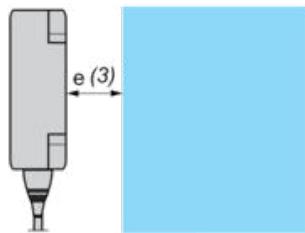
Side by Side



Face to Face



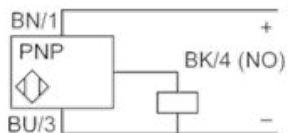
Facing a Metal Object



| | e (1) | e (2) | e (3) |
|-------------------|-------|-----------------|-------|
| Flush mounted | 200 | 400 | 40 |
| Not flush mounted | 600 | not recommended | |

Wiring Schemes

PNP



BU : Blue

BN : Brown

BK : Black