# XS518B1PAM12

inductive sensor XS5 M18 - L50mm - brass - Sn5mm - 12..24VDC - M12

Green Premium™

Product availability: Stock - Normally stocked in distribution facility

## Main

| | |
|---|---|
| Range of product | OsiSense XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Device application | - |
| Sensor name | XS5 |
| Sensor design | Cylindrical M18 |
| Size | 50 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 | 0.2 in (5 mm) |
| Discrete output function | 1 NO |
| Output circuit type | DC |
| Discrete output type | PNP |
| Electrical connection | Male connector M12 4 pins |
| [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 | IP67 conforming to IEC 60529 IP69K conforming to DIN 40050 |

## Complementary

| | |
|---|---|
| Thread type | M18 x 1 |
| Detection face | Frontal |
| Front material | PPS |
| Enclosure material | Nickel plated brass |
| Operating zone | 0...0.16 in (0...4 mm) |
| Differential travel | 1...15% of Sr |
| Status LED | 1 LED (yellow) output state |
| Supply voltage limits | 10...36 V DC |
| Switching frequency | <= 2000 Hz |
| Voltage drop | <= 2 V, closed state |
| Current consumption | <= 10 mA (no-load) |
| Delay first up | <= 10 ms |
| Delay response | <= 0.15 ms |
| Delay recovery | <= 0.35 ms |
| Marking | CE |
| Threaded length | 1.1 in (28 mm) |
| Height | 0.71 in (18 mm) |
| Length | 1.97 in (50 mm) |

## 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 | 00785901448709 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.12 |
| Returnability | Y |
| Country of origin | ID |

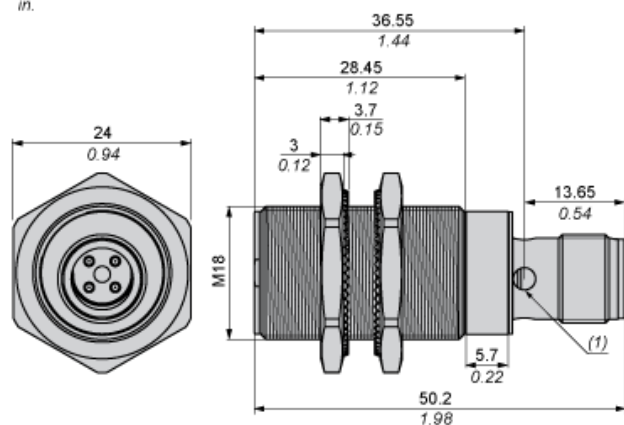## Offer Sustainability

| | |
|---|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant  - since  0811  -  Schneider Electric declaration of conformity ⬈Schneider Electric declaration of conformity |
| REACh | Reference not containing SVHC above the threshold |
| Product environmental profile | Available |
| Product end of life instructions | Available |
| California proposition 65 | WARNING: This product can expose you to chemicals including: |
| - - - - - - - Substance 1 | Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and |
| - - - - - - - Substance 2 | Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. |
| - - - - - - - More information | For more information go to www.p65warnings.ca.gov |

## Contractual warranty

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

# XS518B1PAM12

## Dimensions



(1)    LED

## Minimum Mounting Distances

Side by side



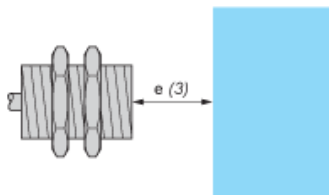e (1)  10 mm/0.39 in.
≥

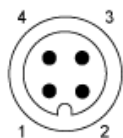Face to face



e (2)  60 mm/2.36 in.
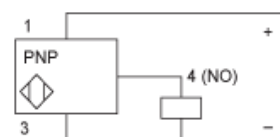≥

Facing a metal object



e (3)  15 mm/0.60 in
≥
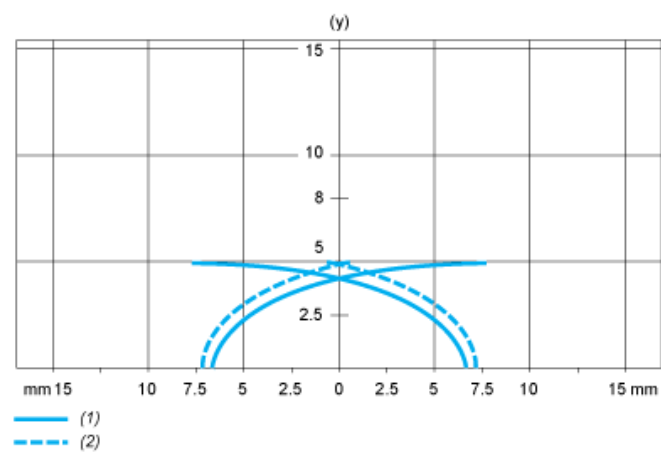
## Wiring Schemes

M12 connector



PNP

# XS518B1PAM12

## Performance Curves

### Standard Steel Target : 18x18x1 mm



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

# Mouser Electronics

Authorized Distributor


Click to View Pricing, Inventory, Delivery & Lifecycle Information:


[Schneider Electric](#):

  [XS518B1PAM12](#)