# Product data sheet
## Characteristics

# XS8C2A1NCM12

inductive sensor XS8 40x40x70 - PBT - Sn20 mm - 12..48VDC - M12

Green Premium™ Product

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 | Mobile equipment |
| Sensor name | XS8 |
| Sensor design | Form 40 x 40 x 70 |
| Size | 70 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Flush mountable |
| Material | Plastic |
| Enclosure material | PBT |
| Type of output signal | Discrete |
| Wiring technique | 3-wire |
| [Sn] nominal sensing distance | 0.79 in (20 mm) |
| Discrete output function | 1 NO + 1 NC |
| Output circuit type | DC |
| Discrete output type | NPN |
| Electrical connection | 4 pins M12 male connector |
| [Us] rated supply voltage | 12...48 V DC with reverse polarity protection |
| Switching capacity in mA | <= 200 mA with overload and short-circuit protection |
| IP degree of protection | IP65 conforming to IEC 60529<br>IP67 conforming to IEC 60529<br>IP69K conforming to DIN 40050 |

## Complementary

| | |
|---|---|
| Detection face | 5 positions turret head |
| Front material | PBT |
| Operating zone | 0...0.63 in (0...16 mm) |
| Differential travel | 3...15% of Sr |
| Repeat accuracy | <= 3% of Sr |
| Status LED | 1 LED green supply on<br>1 LED yellow output state |
| Supply voltage limits | 10...58 V DC |
| Switching frequency | <= 300 Hz |
| Voltage drop | <= 2 V at closed state |
| Current consumption | 0...15 mA at no-load |
| Delay first up | <= 7.5 ms |
| Delay response | <= 1.2 ms |
| Delay recovery | <= 1.8 ms |
| Marking | CE |
| Height | 1.57 in (40 mm) |
| Length | 1.57 in (40 mm) |
| Width | 2.76 in (70 mm) |
| Product weight | 0.33 lb(US) (0.149 kg) |

## Environment

| | |
|---|---|
| Product certifications | E2<br>CCC<br>UL<br>CSA |
| 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 11 ms conforming to EN 60068-2-27 |

## Ordering and shipping details

| | |
|---|---|
| Category | 22486 - SENSORS, PROXIMITY |
| Discount Schedule | DS2 |
| GTIN | 00785901219156 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.31 |
| Returnability | Y |
| Country of origin | FR |

## Offer Sustainability

| | |
|---|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 1213 - 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 | Need no specific recycling operations |
| 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 |

Life Is On | Schneider Electric
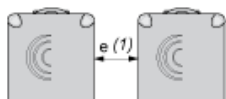
## XS8C2A1NCM12

## Dimensions
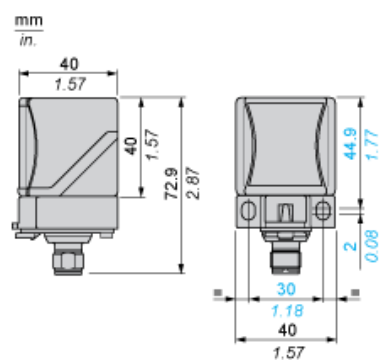
## Mounting

### Head Positions
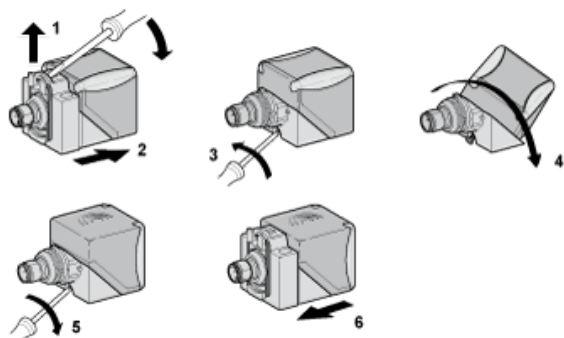


## Setting-up Precautions

### Minimum Mounting Distances (mm)

Side by Side



e (1)  80
≥

Face to Face
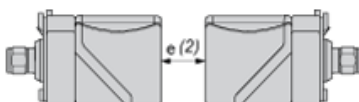


e (2)  160
≥

Facing a Metal Object



e (3)  60
≥

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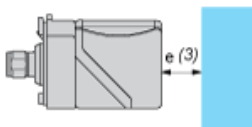
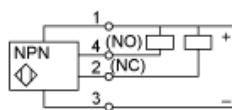## Wiring Schemes

### 4-Wire DC

# Mouser Electronics

Authorized Distributor

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