

Product Datasheet

Characteristic

XS8C2A1PCM12

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



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 | PNP |
| 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 | IP67 conforming to IEC 60529 IP65 conforming to IEC 60529 IP69K conforming to DIN 40050 |

Complementary

| | |
|-------------------------|--|
| safety level | SIL 2 conforming to EN/IEC 61508 PL = d conforming to EN/ISO 13849-1 SILCL 2 conforming to IEC 62061 |
| safety reliability data | MTTFd = 1546 years PFHd = 7.4E-8 1/h SFF = 92 % DC = 75 % with appropriate safety controller |
| 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 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 mAat 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 | CCC CSA TÜV UL E2 |
| 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 |

Offer Sustainability

| | |
|----------------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 1213 - 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 |