

XS1N05NA311

induktivni senzor XS1 M5–D 29 mm–nehrđajući čelik–
Sn 0,8 mm–5.. 24 V DC–kabel 2m



Glavno

| | |
|------------------------------------|--|
| Range of product | OsiSense XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Device application | - |
| Sensor name | XS1 |
| Sensor design | Cylindrical M5 |
| Size | 29 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 | 0.8 mm |
| Discrete output function | 1 NO |
| Output circuit type | DC |
| Discrete output type | NPN |
| Electrical connection | Cable |
| Cable length | 2 m |
| [Us] rated supply voltage | 5...24 V DC |
| Switching capacity in mA | <= 100 mA with overload and short-circuit protection |
| IP degree of protection | IP67 conforming to IEC 60529 |

Komplementarno

| | |
|--------------------------|-------------------------------|
| Thread type | M5 x 0.5 |
| Detection face | Frontal |
| Front material | PPS |
| Enclosure material | Stainless steel 303 |
| Operating zone | 0...0.6 mm |
| Cable composition | 3 x 0.11 mm ² |
| Wire insulation material | PvR |
| Status LED | 1 LED yellow for output state |
| Supply voltage limits | 5...30 V DC |
| Switching frequency | <= 5000 Hz |
| Voltage drop | <= 2 V at closed state |
| Current consumption | <= 10 mA at no-load |
| Delay first up | <= 5 ms |
| Delay response | <= 1 ms |
| Delay recovery | <= 1 ms |
| Marking | CE |
| Threaded length | 29 mm |
| Height | 5 mm |
| Length | 28 mm |
| Product weight | 0.03 kg |

Informacije dane u ovoj dokumentaciji sadrže opće opise i/ili tehničke karakteristike o performansama ovdje sadržanih proizvoda. Ova dokumentacija nije namijenjena kao zamjena za niti bi se trebala koristiti za određivanje prikladnosti ili pouzdanosti predmetnih proizvoda za konkretne korisničke primjene. Svaki takav korisnik ili integrator dužan je provesti odgovarajuću i potpunu analizu rizika, procjenu i ispitivanje specifičnu primjenu ili uporabu istog. Niti društvo Schneider Electric Industries SAS niti bilo koje od njegovih povezanih poduzeća ili podružnica neće preuzeti obvezu ili snositi odgovornost za pogrešnu upotrebu ovdje sadržanih informacija.

Okolina

| | |
|---------------------------------------|---|
| product certifications | CSA UL |
| 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 gnfor 11 ms conforming to IEC 60068-2-27 |

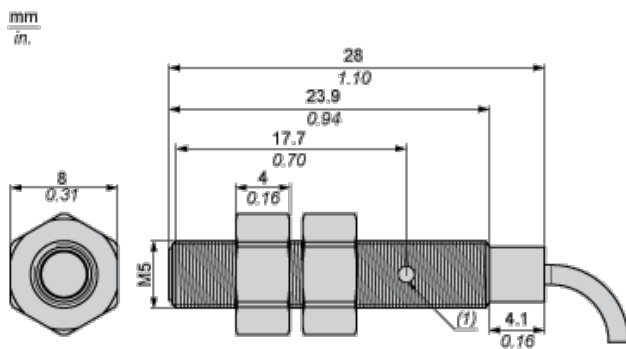
Offer Sustainability

| | |
|---|---|
| Green Premium product | Green Premium product |
| Compliant - since 0935 - Schneider Electric declaration of conformity | Compliant - since 0935 - Schneider Electric declaration of conformity |
| Reference not containing SVHC above the threshold | Reference not containing SVHC above the threshold |
| Available | Available |
| Available | Available |

Contractual warranty

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

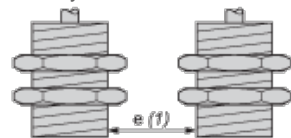
Dimensions



(1) LED

Minimum Mounting Distances in mm

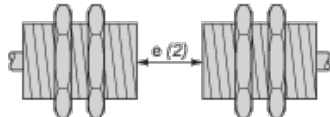
Side by side



e (1) 2 mm/0.79 in.

≥

Face to face



e (2) 12 mm/0.47 in.

≥

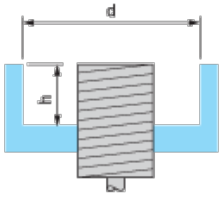
Facing a metal object



e (3) 3 mm/0.12 in.

≥

Mounted in a metal support

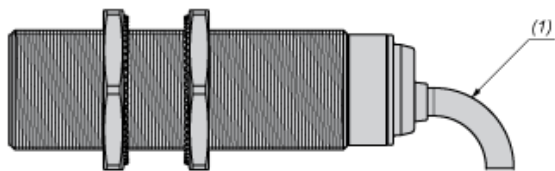


d ≥ 5 mm/0.17 in.

h ≥ 0 mm/0 in.

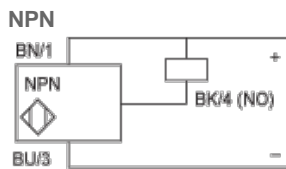
Tightening torque : 2.2 N.m. (values obtained with washers mounted)

Mounting



(1) Bending cable: 4 x external cable diameter

Wiring Schemes



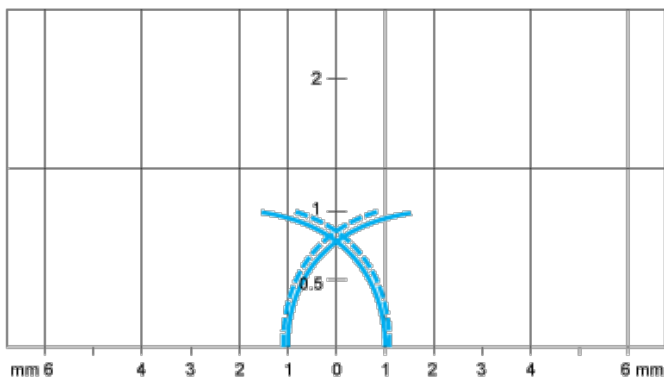
BU : Blue

BN : Brown

BK : Black

Performance Curves

Standard Steel Target (mm) : 5x5x1



— Pick-up points

- - - Drop-out points (object approaching from the side)

(y) Sensing distance in mm