



Main

| | |
|---|---|
| Range of product | OsiSense XC |
| Series name | Special format |
| Product or component type | Limit switch |
| Product specific application | For hoisting and mechanical handling applications |
| Device short name | XCR |
| Sensor design | - |
| Body type | Fixed |
| Head type | Rotary head |
| Material | Metal |
| Fixing mode | By the body |
| Movement of operating head | Rotary |
| Type of operator | Metal stay put crossed rods lever (square rod 6 mm) |
| Type of approach | 2 directions lateral approach |
| Electrical connection | Screw-clamp terminals, clamping capacity: 1 x 0.5...2 x 2.5 mm ² |
| Number of poles | 4 |
| Contacts type and composition | 2 x (1 NC + 1 NO) |
| Contact operation | Slow-break, break before make |
| Contact block per direction [control circuit] | 2 per direction |
| Positive opening | With |

Complementary

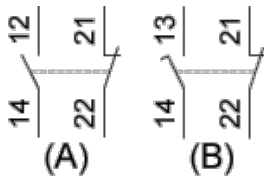
| | |
|--|---|
| Body material | Zinc alloy |
| Switch actuation | By any moving part |
| Cable entry | 1 entry tapped for Pg 13.5 cable gland, cable outer diameter: 0.35...0.47 in (9...12 mm) conforming to NF C 68-300 |
| Contacts insulation form | Zb |
| Number of steps | 1 |
| Positive opening minimum torque | 6.19 lbf.in (0.7 N.m) |
| Minimum torque for tripping | 5.31 lbf.in (0.6 N.m) |
| Minimum actuation speed | 6 m/min |
| Maximum actuation speed | 4.92 ft/s (1.5 m/s) |
| Maximum displacement angle | 90 ° -90 ° |
| Contact code designation | A300, AC-15 240 V, I _e = 3 A) conforming to EN/IEC 60947-5-1 appendix A Q300, DC-13 250 V, I _e = 0.27 A) conforming to EN/IEC 60947-5-1 appendix A |
| [Ui] rated insulation voltage | 500 V degree of pollution 3 conforming to IEC 60947-1 500 V degree of pollution 3 conforming to VDE 0110 300 V conforming to UL 508 300 V conforming to CSA C22.2 No 14 |
| Resistance across terminals | <= 25 MOhm conforming to IEC 60255-7 category 3 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to IEC 60664 6 kV conforming to IEC 60947-1 |
| Short-circuit protection | 10 A by gG cartridge fuse |
| Electrical durability | 5000000 cycles, DC-13 inductive load type, 120 V, 4 W, load factor: 0.5, operating rate: <= 60 cyc/mn IEC 60947-5-1 appendix C 5000000 cycles, DC-13 inductive load type, 24 V, 7 W, load factor: 0.5, operating rate: <= 60 cyc/mn IEC 60947-5-1 appendix C 5000000 cycles, DC-13 inductive load type, 48 V, 10 W, load factor: 0.5, operating rate: <= 60 cyc/mn IEC 60947-5-1 appendix C |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

- (1) 1 tapped entry for n° 13 cable gland.
- (2) Rod length: 200 mm.
- (3) Rod length: 200 mm.

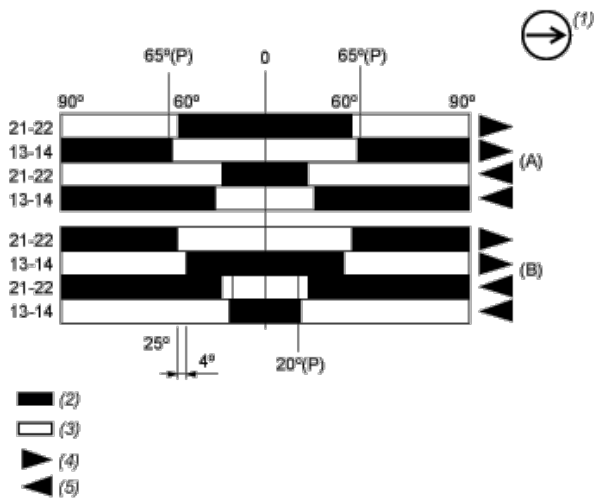
Wiring Diagram

Two 2-pole NC + NO Break Before Make, Slow Break



- (A) 1st contact
- (B) 2nd contact

Functionnal Diagram



- (P) Positive opening point
- (A) 1st contact
- (B) 2nd contact
- (1) NC contact with positive opening operation
- (2) Closed
- (3) Open
- (4) Tripping
- (5) Resetting