

XCRF57

limit switch XCR - metal stay put T rods lever
square rod 6 mm - 2X(1NC+NO)



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)
Contacts operation	Slow-break, break before make
Contact block per direction (control circuit)	1 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: 9...12 mm conforming to NF C 68-300
Contacts insulation form	Zb
Number of steps	1
Positive opening minimum torque	0.7 N.m
Minimum torque for tripping	0.6 N.m
Minimum actuation speed	6 m/min
Maximum actuation speed	1.5 m/s
Maximum displacement angle	90 ° -90 °
Contact code designation	Q300, DC-13 250 V, I _e = 0.27 A) conforming to EN/IEC 60947-5-1 appendix A A300, AC-15 240 V, I _e = 3 A) conforming to EN/IEC 60947-5-1 appendix A
[Ui] rated insulation voltage	300 V conforming to CSA C22.2 No 14 500 V degree of pollution 3 conforming to VDE 0110 500 V degree of pollution 3 conforming to IEC 60947-1 300 V conforming to UL 508
Resistance across terminals	<= 25 MOhm conforming to IEC 60255-7 category 3
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947-1 6 kV conforming to IEC 60664
Short circuit protection	10 A by gG cartridge fuse

Electrical durability	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 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, 120 V, 4 W, load factor: 0.5, operating rate: ≤ 60 cyc/mn IEC 60947-5-1 appendix C
Mechanical durability	10000000 cycles
Width	85 mm
Height	95 mm
Depth	75 mm
Product weight	1.135 kg
Terminals description ISO n°1	(13-14)NO (21-22)NC

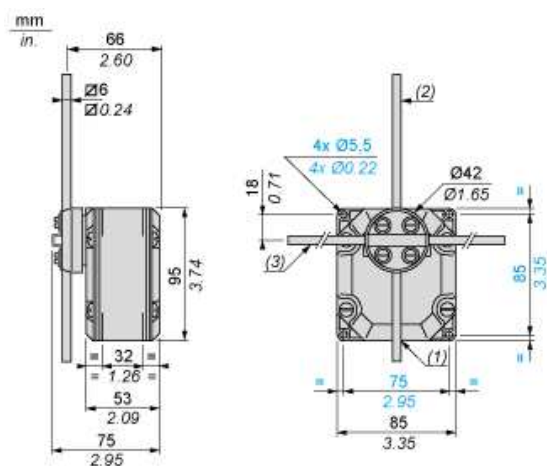
Environment

Shock resistance	68 gn conforming to IEC 60068-2-27
Vibration resistance	9 gn (f = 10...500 Hz) conforming to IEC 60068-2-6
IP degree of protection	IP54 conforming to IEC 60529
Class of protection against electric shock	Class I conforming to NF C 20-030 Class I conforming to IEC 61140
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...70 °C
Protective treatment	TC
Product certifications	CCC CSA
Standards	EN 60204-1 EN 60947-5-1 IEC 60204-1 IEC 60947-5-1 NF C 79-130 CSA C22.2 No 14

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1402 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Need no specific recycling operations

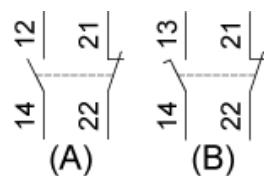
Dimensions



- (1) 1 tapped entry for n° 13 cable gland.
- (2) Rod length: 200 mm.
- (3) Rod length: 300 mm.

Wiring Diagram

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



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

Figure 1 consists of two schematic diagrams, (A) and (B), illustrating the experimental setup. Both diagrams show a horizontal beam with a central vertical line. The beam is divided into four segments: 90°, 60°, 0°, and 60°, 90°. The segments are labeled 21-22, 13-14, 21-22, and 13-14. The segments are filled with black or white bars. In diagram (A), the segments are filled with black bars. In diagram (B), the segments are filled with white bars. A legend indicates: (2) black bar, (3) white bar, (4) triangle pointing right, and (5) triangle pointing left. Dimensions are given as 4° and 35°.

- (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