

XCRA51

Limit switch, Limit switches XC Standard, XCR, metal spring return rod 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	Spring return rod lever metal square rod 6 mm
Type of approach	Lateral approach, 2 directions
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: 9...12 mm conforming to NF C 68-300
Contacts insulation form	Zb
Number of steps	1
Positive opening minimum torque	0.75 N.m
Minimum torque for tripping	0.45 N.m
Minimum actuation speed	6 m/min
Maximum actuation speed	1.5 m/s
Maximum displacement angle	-55 ° 55 °
Contact code designation	A300, AC-15 (Ue = 240 V), Ie = 3 A conforming to EN/IEC 60947-5-1 appendix A Q300, DC-13 (Ue = 250 V), Ie = 0.27 A conforming to EN/IEC 60947-5-1 appendix A
[Ui] rated insulation voltage	300 V conforming to UL 508 500 V (pollution degree 3) conforming to IEC 60947-1 500 V (pollution degree 3) conforming to VDE 0110 300 V conforming to CSA C22.2 No 14
Maximum 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 cartridge fuse, type gG

Electrical durability	5000000 Cycles, DC-13, inductive load type, 120 V, 4 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 Cycles, DC-13, inductive load type, 24 V, 7 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 cycles, DC-13, inductive load type, 48 V, 10 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C
Mechanical durability	10000000 cycles
Width	85 mm
Height	95 mm
Depth	75 mm
Net weight	1.11 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
Overvoltage category	Class I conforming to IEC 61140 Class I conforming to NF C 20-030
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...70 °C
Protective treatment	TC
Product certifications	CCC[RETURN]CSA
Standards	CSA C22.2 No 14 IEC 60204-1 NF C 79-130 EN 60947-5-1 EN 60204-1 IEC 60947-5-1

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.0 cm
Package 1 Width	10.5 cm
Package 1 Length	20.5 cm
Package 1 Weight	1.044 kg

Offer Sustainability

Sustainable offer status	Green Premium product
Circularity Profile	No need of specific recycling operations
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

Warranty	18 months
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Technical drawing of a 4-axis turntable. The drawing includes a side view on the left and a top view on the right. Dimensions are provided in millimeters (mm) and inches (in.).

Side View Dimensions:

- Top flange diameter: 66 mm (2.60 in.)
- Top flange thickness: 6 mm (0.24 in.)
- Main body diameter: 95 mm (3.74 in.)
- Main body height: 32 mm (1.26 in.)
- Base diameter: 53 mm (2.09 in.)
- Base height: 75 mm (2.95 in.)

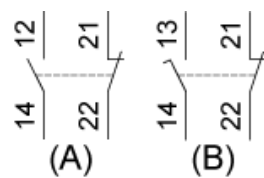
Top View Dimensions:

- Overall width: 85 mm (3.35 in.)
- Overall depth: 85 mm (3.35 in.)
- Distance between mounting holes (center-to-center): 75 mm (2.95 in.)
- Distance from center to mounting hole center: 18 mm (0.71 in.)
- Mounting hole diameter: 4x Ø5.5 (4x Ø0.22)
- Central hole diameter: Ø42 (Ø1.65)

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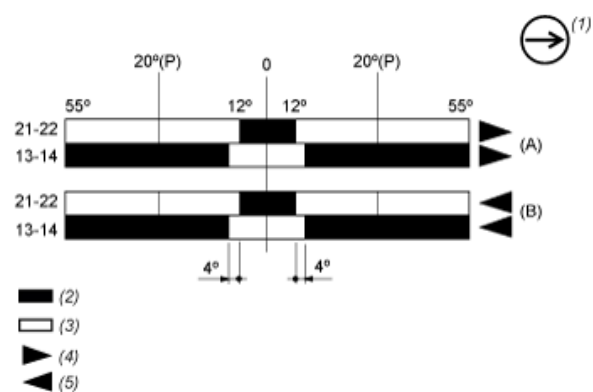
Wiring Diagram

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