

XCRA51

limit switch 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 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 0.35...0.47 in (9...12 mm) NF C 68-300
Contacts insulation form	Zb
Number of steps	1
Positive opening minimum torque	6.64 lbf.in (0.75 N.m)
Minimum torque for tripping	3.98 lbf.in (0.45 N.m)
Minimum actuation speed	6 m/min
Maximum actuation speed	4.92 ft/s (1.5 m/s)
Maximum displacement angle	-55 ° 55 °
Contact code designation	A300, AC-15 (Ue = 240 V), Ie = 3 A EN/IEC 60947-5-1 appendix A Q300, DC-13 (Ue = 250 V), Ie = 0.27 A EN/IEC 60947-5-1 appendix A
[Ui] rated insulation voltage	300 VUL 508 500 V 3)IEC 60947-1 500 V 3)VDE 0110 300 VCSA C22.2 No 14
Maximum resistance across terminals	25 MOhm IEC 60255-7 category 3
[Uimp] rated impulse withstand voltage	6 kV IEC 60664 6 kV IEC 60947-1
Short-circuit protection	10 A cartridge fuse gG

Electrical durability	5000000 Cycles, DC-13, inductive, 120 V, 4 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C 5000000 Cycles, DC-13, inductive, 24 V, 7 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C 5000000 cycles, DC-13, inductive, 48 V, 10 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C
Mechanical durability	10000000 cycles
Maximum Width	3.35 in (85 mm)
Height	3.74 in (95 mm)
Maximum Depth	2.95 in (75 mm)
Net Weight	2.45 lb(US) (1.11 kg)
Terminals description ISO n°1	(13-14)NO (21-22)NC

Environment

Shock resistance	68 gn IEC 60068-2-27
Vibration resistance	9 gn 10...500 Hz)IEC 60068-2-6
IP degree of protection	IP54 IEC 60529
Overvoltage category	Class I IEC 61140 Class I NF C 20-030
Ambient air temperature for operation	-13...158 °F (-25...70 °C)
Ambient air temperature for storage	-40...158 °F (-40...70 °C)
Protective treatment	TC
Product certifications	CCC 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


Ordering and shipping details

Category	22449 - LIMIT SWITCHES,ACCESSORIES
Discount Schedule	T
GTIN	03389110660920
Nbr. of units in pkg.	1
Package weight(Lbs)	2.3 lb(US) (1.04 kg)
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	3.15 in (8 cm)
Package 1 width	4.13 in (10.5 cm)
Package 1 Length	8.07 in (20.5 cm)

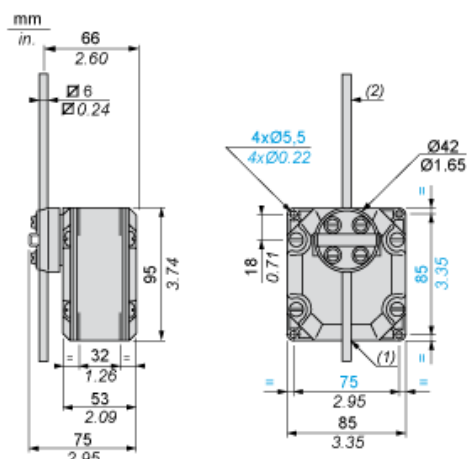
Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP) and Diisononyl phthalate (DINP) which is known to the State of California to cause Carcinogen and Reproductive harm. For more information go to www.p65warnings.ca.gov
EU RoHS Directive	Not applicable, out of EU RoHS legal scope
Environmental Disclosure	 Product Environmental Profile

Contractual warranty

Warranty	18 months
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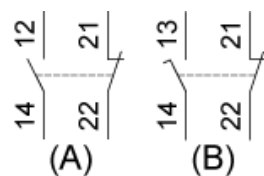
Dimensions



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

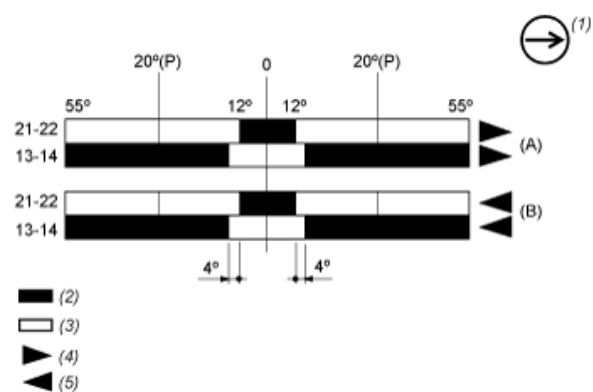
Wiring Diagram

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