Product datasheet
Characteristics

XCRA55

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	Thermoplastic spring return roller lever (large)
Type of approach	2 directions lateral approach
Electrical connection	Screw-clamp terminals, clamping capacity: 1 x 0.5...2 x 2.5 mm²
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	6.64 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-15 240 V, Ie = 3 A) conforming to EN/IEC 60947-5-1 appendix A Q300, DC-13 250 V, Ie = 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
Mechanical durability	10000000 cycles

Width	3.35 in (85 mm)
Height	3.74 in (95 mm)
Depth	2.95 in (75 mm)
Product weight	2.55 lb(US) (1.155 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 NF C 20-030 Class I conforming to IEC 61140
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	EN 60204-1 EN 60947-5-1 IEC 60204-1 IEC 60947-5-1 NF C 79-130 CSA C22.2 No 14

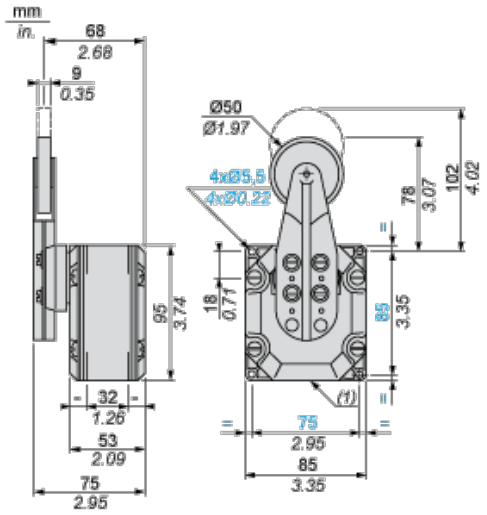
Offer Sustainability

Not Green Premium product	Not Green Premium product
Will not be Compliant	Will not be Compliant
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Need no specific recycling operations	Need no specific recycling operations
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and	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.	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 more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months

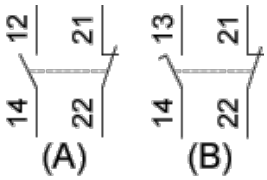
Dimensions



(1) 1 tapped entry for n° 13 cable gland.

Wiring Diagram

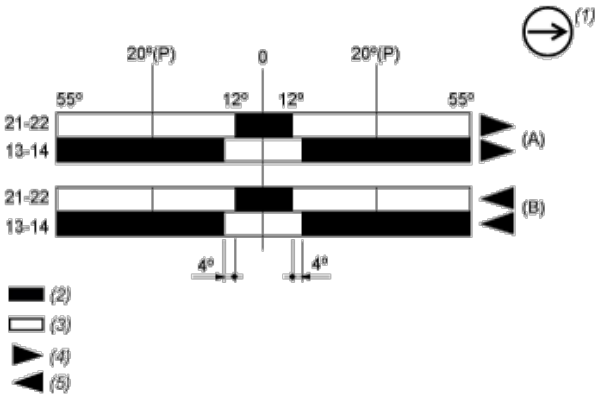
Two 2-pole NC + NO Break Before Make, Slow Break



(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