XCRT215

Limit switch, Limit switches XC Standard, XCRT, metal enclosure stainless steel roller with lever, 2C/O

Main

Range of Product	OsiSense XC
Series name	Special format
Product or Component Type	Limit switch
Product Specific Application	For conveyor belt shift monitoring
Device short name	XCRT
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 roller stainless steel with lever
Type of approach	Lateral approach, 2 directions
Electrical connection	Screw-clamp terminals 1 x 0.5...2 x 2.5 mm²
Number of poles	2
Contacts type and composition	2 C/O
Contact operation	Snap action
Contact block per direction [control circuit]	2 per direction
Positive opening	Without

Complementary

Body Material	Zinc alloy
Switch actuation	By conveyor belt
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	Za
Number of steps	2
Minimum torque for tripping	8.85 lbf.in (1 N.m)
Minimum actuation speed	0.01 m/min
Tripping angle	10 ° fault signalling 18 ° stopping of the conveyor belt
Maximum displacement angle	-90 ° 90 °
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

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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	300000 cycles
Width	3.35 in (85 mm)
Height	3.74 in (95 mm)
Depth	2.95 in (75 mm)
Net Weight	2.55 lb(US) (1.155 kg)
Terminals description ISO n°1	(11-12)NC (13-14)NO

Environment

Shock resistance	30 gn 18 ms IEC 60068-2-27
Vibration resistance	9 gn 10…500 Hz)IEC 60068-2-6
IP degree of protection	IP65 conforming to 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
Standards	CSA C22.2 No 14 NF C 79-130 IEC 60947-5-1 IEC 60204-1 EN 60204-1 EN 60947-5-1

Ordering and shipping details

Category	22449-LIMIT SWITCHES,ACCESSORIES
Discount Schedule	T
GTIN	3389110660975
Nbr. of units in pkg.	1
Package weight(Lbs)	2.85 lb(US) (1.293 kg)
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	3.54 in (9 cm)
Package 1 width	5.12 in (13 cm)
Package 1 Length	9.13 in (23.2 cm)
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Weight	23.88 lb(US) (10.83 kg)
Package 2 Height	11.81 in (30 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 3 Height	30.31 in (77 cm)

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Offer Sustainability

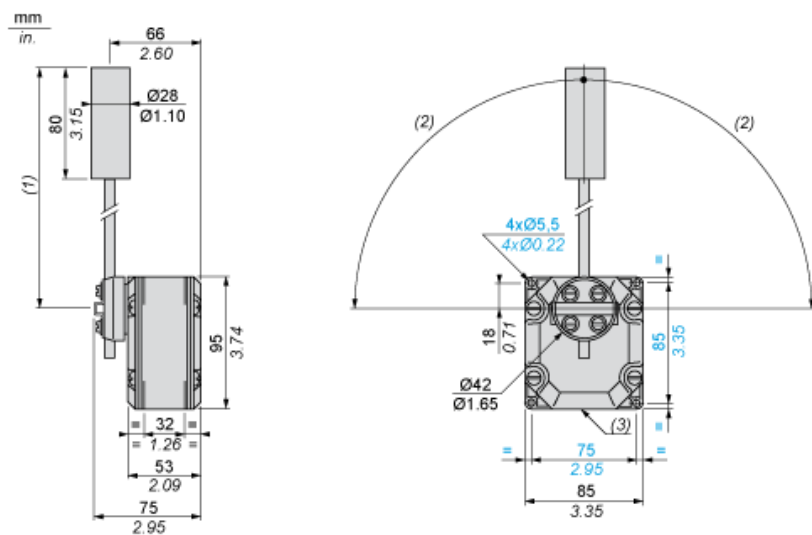|	
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
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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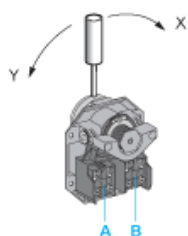## Dimensions

(1)   200 mm max. 104 mm min.
(2)   90° max.
(3)   1 tapped entry for Pg 13.5 cable gland
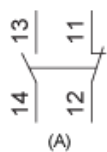
Wiring Diagram

2 Single-pole CO Snap Action
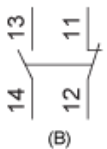

(A)   1st contact
(B)   2nd contact
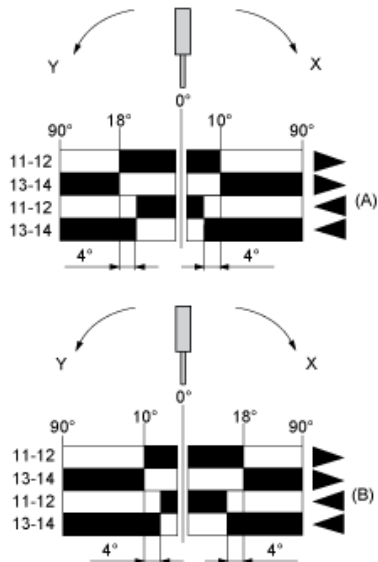
2 Single-pole CO Snap Action

(A)

(B)

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

Functionnal Diagram

(A) 1st contact
(B) 2nd contact
(1) Closed
(2) Open
(3) Tripping
(4) Resetting