

XCRT315

limit switch XCRT - polyester enclosure stainless steel roller with lever - 2C/O

Product availability : Non-Stock - Not normally stocked in distribution facility



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	Polyester
Fixing mode	By the body
Movement of operating head	Rotary
Type of operator	Stainless steel spring return roller (with lever)
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	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	Polyester
Switch actuation	By conveyor belt
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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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 ° for fault signalling 18 ° for stopping of the conveyor belt
Maximum displacement angle	-70 ° 70 °
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	300 V conforming to CSA C22.2 No 14 500 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
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	300000 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 (11-12)NC
Compatibility code	XCRT

Environment

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

Ordering and shipping details

Category	22449 - LIMIT SWITCHES,ACCESSORIES
Discount Schedule	T
GTIN	003389110660982
Nbr. of units in pkg.	1
Package weight(Lbs)	0.3599999999999999
Returnability	N
Country of origin	FR

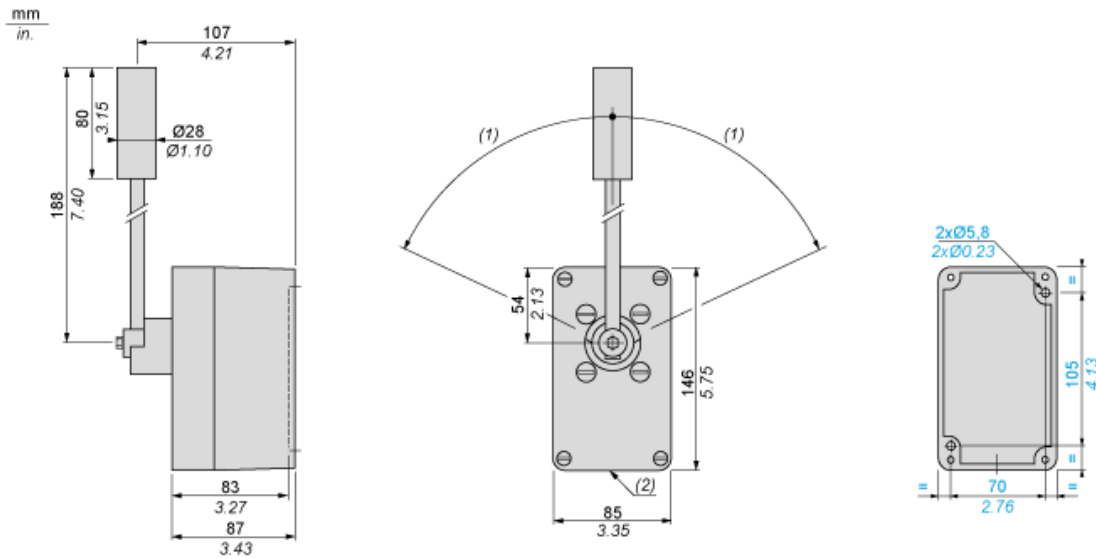
Offer Sustainability

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

Contractual warranty

Warranty period	18 months
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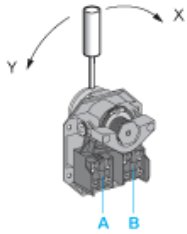
Dimensions



- (1) 70° max.
- (2) 1 plain entry for Pg 13.5 cable gland

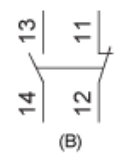
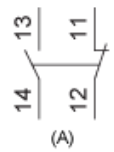
Wiring Diagram

2 Single-pole CO Snap Action



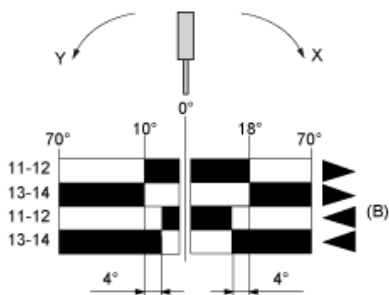
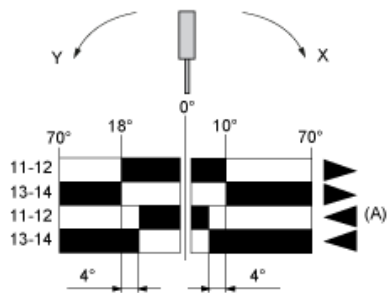
- (A) 1st contact
- (B) 2nd contact

2 Single-pole CO Snap Action



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

Functionnal Diagram



- (1)
- (2)
- ▲ (3)
- ▼ (4)

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