

Product data sheet

XCRT115

Limit switch XCRT, metal enclosure, zinc-plated steel roller lever, 2CO

Main

Range of product	OsiSense XC
Series name	Special format
Product or component type	Limit switch
Device short name	XCRT
Product specific application	For conveyor belt shift monitoring
ETIM classification	ETIM 9 - EC000030 - End switch
Body type	Fixed
Head type	Rotary head
Material	Metal
Body material	Zinc alloy
Fixing mode	By the body
Movement of operating head	Rotary
Type of operator	Spring return roller zinc plated steel with lever
Switch actuation	By conveyor belt
Type of approach	Lateral approach, 2 directions
Number of poles	2
Standards	CSA C22.2 No 14 IEC 60204-1 IEC 60947-5-1 NF C 79-130
Indivisible sale quantity	1

Complementary

Mechanical durability	300000 cycles
Minimum torque for tripping	1 N.m
Tripping angle	10 ° for fault signalling, 18 ° for stopping of the conveyor belt
Minimum actuation speed	0.01 m/mn
Cable entry	1 entry tapped for Pg 13.5 cable gland, cable outer diameter: 9-12 mm conforming to NF C 68-300
Contact code designation	A300, AC-15 (Ue = 240 V), Ie = 3 A conforming to IEC 60947-5-1 appendix A, Q300, DC-13 (Ue = 250 V), Ie = 0.27 A conforming to IEC 60947-5-1 appendix A

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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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
Electrical connection	Screw-clamp terminals, clamping capacity: 1 x 0.5...2 x 2.5 mm²
Positive opening	Without
Contact block per direction [control circuit]	2 per direction
Contacts insulation form	Za
Contacts type and composition	2 C/O
Terminals description ISO n°1	(11-12)NC (13-14)NO
Contact operation	Snap action
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60664, 6 kV conforming to IEC 60947-1
[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
Overvoltage category	Class I conforming to IEC 61140, class I conforming to NF C 20-030
Resistance across terminals	25 MOhm conforming to IEC 60255-7 category 3
Short-circuit protection	10 A cartridge fuse, type gG
Width	85 mm
Depth	75 mm
Product weight	1.17 kg

Environment

IP degree of protection	IP65 conforming to IEC 60529
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...70 °C
Shock resistance	30 gn for 18 ms conforming to IEC 60068-2-27
Vibration resistance	9 gn (f= 10-500 Hz) conforming to IEC 60068-2-6
Protective treatment	TC

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

Warranty

Warranty	18 months

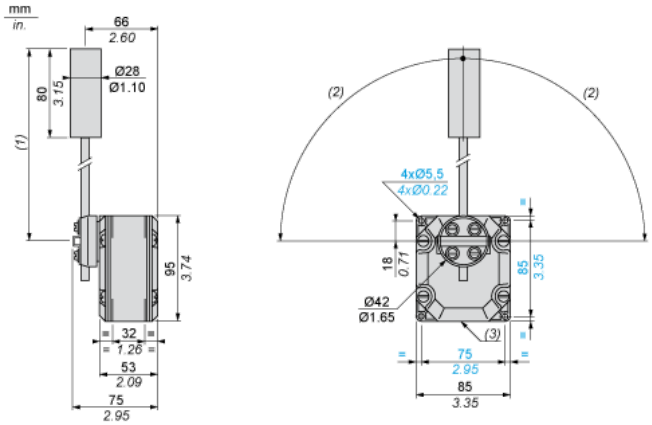
Packing Units

Country of origin	ID (Indonesia)

Unit type of package 1	PCE
Number of units in package 1	1
New Package 1 GTIN-13	3666916049464
Package 1 height	9 cm
Package 1 width	23.5 cm
Package 1 length	13.3 cm
Package 1 weight	1.17 kg
Unit type of package 2	S02
Number of units in package 2	1
New Package 2 GTIN 14	13666916049461
Package 2 height	15 cm
Package 2 width	30 cm
Package 2 length	40 cm
Package 2 weight	0.455 kg
Unit type of package 3	S03
Number of units in package 3	6
New Package 3 GTIN 14	23666916049468
Package 3 height	30 cm
Package 3 width	30 cm
Package 3 length	40 cm
Package 3 weight	8.609 kg

Technical Drawings

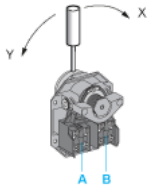
Dimensions



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

Wiring Diagram

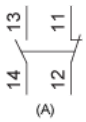
2 Single-pole CO Snap Action

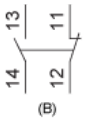


- (A) 1 contact
- (B) 2 contact

Wiring Diagram

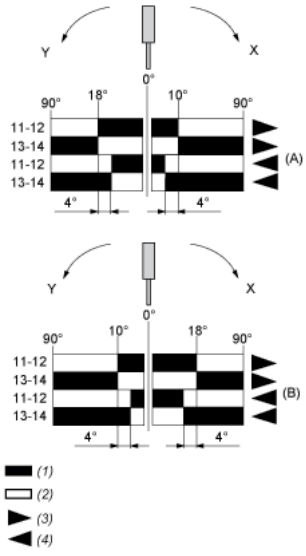
2 Single-pole CO Snap Action





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

Functionnal Diagram



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