



Main

Range of product	OsiSense XC
Series name	Standard format
Product or component type	Limit switch
Device short name	XCKN
Sensor design	Compact form B
Body type	Fixed
Head type	Plunger head
Material	Plastic
Body material	Plastic
Head material	Plastic
Fixing mode	By the body
Movement of operating head	Linear
Type of operator	Spring return plunger metal
Type of approach	Vertical approach, 1 direction
Cable entry	1 entry tapped for Pg 11 cable gland
Number of poles	2
Contacts type and composition	1 NC + 1 NO
Contact operation	Snap action

Complementary

Switch actuation	On end
Electrical connection	Screw-clamp terminals 1 x 0.34...2 x 1.5 mm ²
Contacts insulation form	Zb
Positive opening	With
Positive opening minimum force	30 N
Minimum force for tripping	15 N
Minimum actuation speed	0.01 m/min
Maximum actuation speed	0.5 m/s
Repeat accuracy	0.1 mm on the tripping points with 1 million operating cycles
Contact code designation	A300, AC-15 (Ue = 240 V), Ie = 3 A 10 A EN/IEC 60947-5-1 appendix A R300, DC-13 (Ue = 250 V), Ie = 0.1 A conforming to EN/IEC 60947-5-1 appendix A
[Ui] rated insulation voltage	300 VUL 508 500 V 3)IEC 60947-1 300 VCSA C22.2 No 14
[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, 120 V, 4 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C 5000000 Cycles, DC-13, 24 V, 10 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C 5000000 cycles, DC-13, 48 V, 7 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C
Mechanical durability	10000000 cycles
Maximum Width	1.18 in (30 mm)
Height	2.95 in (75 mm)
Depth	1.18 in (30 mm)

Net Weight	0.30 lb(US) (0.135 kg)
Terminals description ISO n°1	(21-22)NC (13-14)NO

Environment

Shock resistance	45 gn for 11 ms conforming to IEC 60068-2-27
Vibration resistance	25 gn 10...500 Hz)IEC 60068-2-6
IP degree of protection	IP65 IEC 60529
IK degree of protection	IK04 EN 50102
Overvoltage category	Class II IEC 61140 Class II 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 UL CSA
Standards	UL 508 EN 60204-1 CSA C22.2 No 14 IEC 60947-5-1 IEC 60204-1 EN 60947-5-1

Ordering and shipping details

Category	22435 - LIMIT SWITCHES,TYPE XCM
Discount Schedule	T
GTIN	00785901912132
Nbr. of units in pkg.	20
Package weight(Lbs)	0.13 lb(US) (0.06 kg)
Returnability	Yes
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.18 in (3 cm)
Package 1 width	1.18 in (3 cm)
Package 1 Length	3.15 in (8 cm)
Unit Type of Package 2	BB1
Number of Units in Package 2	20
Package 2 Weight	3.17 lb(US) (1.44 kg)
Package 2 Height	4.33 in (11 cm)
Package 2 width	5.04 in (12.8 cm)
Package 2 Length	6.61 in (16.8 cm)
Unit Type of Package 3	S02
Number of Units in Package 3	80
Package 3 Weight	12.86 lb(US) (5.834 kg)
Package 3 Height	5.91 in (15 cm)
Package 3 width	11.81 in (30 cm)
Package 3 Length	15.75 in (40 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
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	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile

Contractual warranty

Warranty	18 months
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Technical drawings of the 1000 Series 1/2" (12.5 mm) ballpoint pen. The left drawing shows the side view with dimensions: 25 mm (0.98 in) total length, 12.5 mm (0.49 in) barrel length, 75 mm (2.95 in) grip length, 30 mm (1.18 in) grip diameter, and a 2 mm (0.08 in) clip thickness. The right drawing shows the end view with dimensions: 20.5 mm (0.81 in) barrel diameter, 20 mm (0.79 in) grip diameter, 22 mm (0.87 in) grip diameter, and 30 mm (1.18 in) grip diameter. A note (2) indicates the barrel diameter is 20.31 mm (0.8 in).

- (1) 1 tapped entry for Pg 11 cable gland
- (2) Ø: 2 elongated holes Ø 4.3 x 6.3 on 22 mm centres, 2 holes Ø 4.3 on 20 mm centres.

Mounting with Cable Entry

Position of Cable Gland



- (1) Recommended
- (2) To be avoided

Wiring Diagram

2-pole NC + NO Snap Action

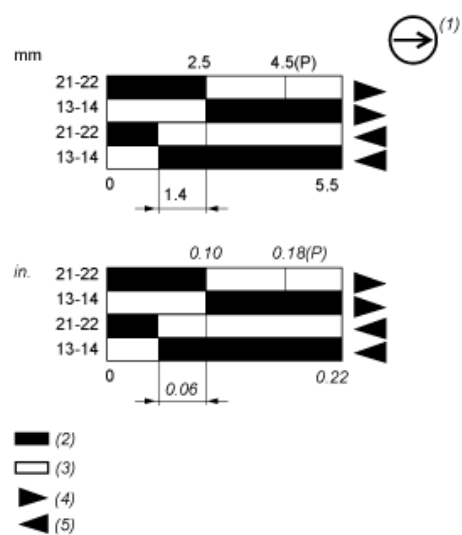


Characteristics of Actuation

Switch Actuation on End



Functionnal Diagram



- (P) Positive opening point
(1) NC contact with positive opening operation
(2) Closed
(3) Open
(4) Tripping
(5) Resetting