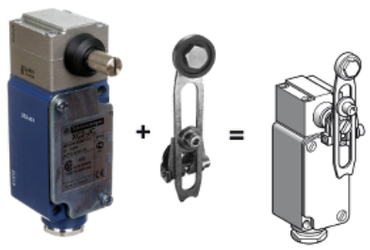
Product data sheet

Specifications



Limit switch, Limit switches XC Standard, XC2 J, roller lever, 1 C/O

XC2JC10131

Product availability : Stock - Normally stocked in distribution facility

Price* : 221.00 USD

Main

Range of Product	OsiSense XC
Series name	Special format
Product or Component Type	Limit switch
Product Specific Application	For severe applications
Device short name	XC2J
Body type	Fixed
Head type	Rotary head
Material	Metal
Movement of operating head	Rotary
Type of operator	Roller lever thermoplastic variable length
Switch actuation	By 30° cam
Type of approach	Lateral approach, 2 directions
Number of poles	1
Contact operation	Snap action
Minimum torque for tripping	2.66 lbf.in (0.3 N.m)
Maximum actuation speed	4.92 ft/s (1.5 m/s)

Complementary

Fixing Mode	By the body
Electrical connection	Screw-clamp terminals 1 x 0.5...2 x 2.5 mm²
Cable entry	1 entry incorporating cable gland 0.24…0.53 in (6…13.5 mm)
Contacts insulation form	Za
Contacts material	Silver plated contacts
Positive opening	Without
Minimum actuation speed	0.001 m/min
Contact code designation	A300, AC-15 (Ue = 240 V), Ie = 3 A 10 A EN/IEC 60947-5-1 Q300, DC-13 (Ue = 250 V), Ie = 0.27 A EN/IEC 60947-5-1
[Ui] rated insulation voltage	500 VIEC 60947-5-1 500 VNF C 20-040 group C 300 VCSA C22.2 No 14

* Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Maximum resistance across terminals	25 MOhm IEC 60255-7 category 3 25 MOhm NF C 93-050 method A
Short-circuit protection	10 A cartridge fuse gG
Electrical durability	5000000 cycles, DC-13, 120 V, 4 W 3600 cyc/h 0.5 IEC 60947-5-1 appendix C 5000000 cycles, DC-13, 24 V, 10 W 3600 cyc/h 0.5 IEC 60947-5-1 appendix C 5000000 cycles, DC-13, 48 V, 7 W 3600 cyc/h 0.5 IEC 60947-5-1 appendix C
Mechanical durability	30000000 cycles
Width	1.57 in (40 mm)
Height	8.74 in (222 mm)
Depth	2.56 in (65 mm)
Net Weight	1.33 lb(US) (0.605 kg)
Terminals description ISO n°1	(13-14-11-12)OF

Environment

Shock resistance	25 gn 18 ms IEC 60068-2-27
Vibration resistance	10 gn 10…500 Hz)IEC 60068-2-6
IP degree of protection	IP65 conforming to IEC 60529 IP657 conforming to NF C 20-010
IK degree of protection	IK08
Electrical shock protection class	Class I IEC 60536 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
Product Certifications	NEMKO DEMKO CSA
Standards	VDE 0660-200 EN/IEC 60947-5-1 UL 508 CSA C22.2 No 14 IEC 60337-1

Ordering and shipping details

Category	22449-LIMIT SWITCHES,ACCESSORIES
Discount Schedule	T
GTIN	3389110327809
Nbr. of units in pkg.	1
Package weight(Lbs)	22.50 oz (638.0 g)
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.83 in (7.2 cm)
Package 1 width	5.71 in (14.5 cm)
Package 1 Length	1.85 in (4.7 cm)
Unit Type of Package 2	S01

Number of Units in Package 2	7
Package 2 Weight	10.25 lb(US) (4.65 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	5.91 in (15 cm)
Package 2 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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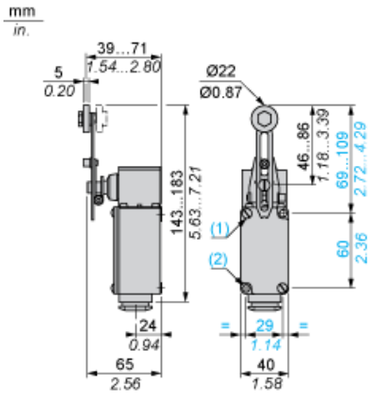
Dimensions Drawings

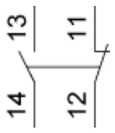
Dimensions



(1) Fixing from the rear: by 2 M5 screws. Depth of thread on switch: 10 mm.
(2) Fixing from the front via 2 holes Ø 5.5.

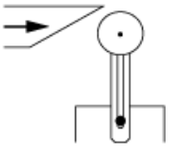
Wiring Diagram

Single-pole CO Snap Action

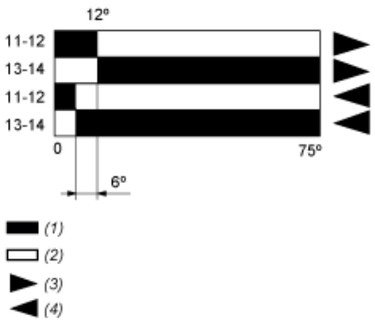


Characteristics of Actuation

Switch Actuation by 30° Cam



Functionnal Diagram



(1) Closed
(2) Open
(3) Tripping
(4) Resetting