



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	Thermoplastic roller lever
Switch actuation	By 30° cam
Type of approach	Lateral approach, 1 direction programmable
Number of poles	1
Contact operation	Snap action
Minimum torque for tripping	1.77 lbf.in (0.2 N.m)
Maximum actuation speed	4.92 ft/s (1.5 m/s)

Complementary

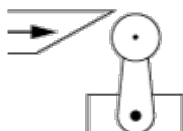
Fixing mode	By the body
Electrical connection	Screw-clamp terminals, 1 x 0.5...2 x 2.5 mm ²
Cable entry	1 entry incorporating cable gland, cable outer diameter: 0.24...0.53 in (6...13.5 mm)
Contacts insulation form	Za
Contacts material	Silver plated contacts
Positive opening	Without
Minimum actuation speed	0.001 m/min
Contact code designation	AC-15 A300(Ue = 240 V, Ie = 3 A) Ithe = 10 A EN/IEC 60947-5-1 DC-13 Q300(Ue = 250 V, Ie = 0.27 A) EN/IEC 60947-5-1
[Ui] rated insulation voltage	500 V conforming to IEC 60947-5-1 500 V conforming to NF C 20-040 group C 300 V conforming to CSA C22.2 No 14
Resistance across terminals	<= 25 MOhm conforming to IEC 60255-7 category 3 <= 25 MOhm conforming to NF C 93-050 method A
Short-circuit protection	10 A by cartridge fuse, type gG
Electrical durability	5000000 cycles DC-13, 120 V 4 W, <= 3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 cycles DC-13, 24 V 10 W, <= 3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 cycles DC-13, 48 V 7 W, <= 3600 cyc/h, load factor: 0.5 conforming to 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)
Product weight	1.33 lb(US) (0.605 kg)
Terminals description ISO n°1	(13-14-11-12)OF

Environment

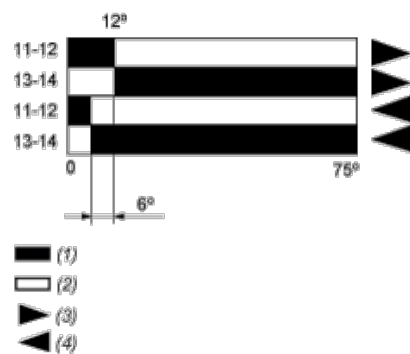
shock resistance	25 gn 18 ms conforming to IEC 60068-2-27
vibration resistance	10 gn (f = 10...500 Hz) conforming to IEC 60068-2-6

Characteristics of Actuation

Switch Actuation by 30° Cam



Functionnal Diagram



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