



Main

Range of product	OsiSense XC
Series name	Special format
Product or component type	Limit switch
Product specific application	Materials handling
Device short name	XC1AC
Sensor design	-
Body type	Fixed
Head type	Plunger head
Material	Metal
Fixing mode	By the body
Movement of operating head	Linear
Type of operator	Spring return roller lever metal -
Switch actuation	By 30° cam
Type of approach	Lateral approach 2 directions
Electrical connection	Screw-clamp terminals, 1 x 0.5...1 x 2.5 mm ²
Cable entry	3 entries tapped for Pg 13.5 cable gland, cable outer diameter: 9...12 mm
Number of poles	1
Contacts type and composition	1 C/O
Contacts operation	Slow-break
Number of steps	1
Positive opening	Without
Minimum force for tripping	23 N

Complementary

Contacts insulation form	Za
Maximum actuation speed	0.5 m/s
[Ithe] conventional enclosed thermal current	10 A
[Ui] rated insulation voltage	500 V AC IEC 60947-5-1 500 V AC NF C 20-040 600 V DC IEC 60947-5-1 600 V DC NF C 20-040 600 V AC CSA C22.2 No 14 600 V DC CSA C22.2 No 14
Resistance across terminals	<= 8 mOhm
Short circuit protection	10 A cartridge fuse gG

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Electrical durability	1000000 cycles AC-15, 110 V 900 VA, <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 50/60 Hz, inductive load type 1000000 cycles AC-15, 230 V 1900 VA, <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 50/60 Hz, inductive load type 1000000 cycles AC-15, 48 V 450 VA, <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 50/60 Hz, inductive load type 1000000 cycles DC-13, 110 V 100 W, <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C inductive load type 1000000 cycles DC-13, 230 V 95 W, <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C inductive load type 1000000 cycles DC-13, 48 V 100 W, <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C inductive load type 3000000 cycles AC-15, 110 V 350 VA, <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 50/60 Hz, inductive load type 3000000 cycles AC-15, 230 V 430 VA, <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 50/60 Hz, inductive load type 3000000 cycles AC-15, 48 V 170 VA, <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 50/60 Hz, inductive load type 3000000 cycles DC-13, 110 V 40 W, <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C inductive load type 3000000 cycles DC-13, 230 V 33 W, <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C inductive load type 3000000 cycles DC-13, 48 V 35 W, <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C inductive load type
Mechanical durability	10000000 cycles
Width	77 mm
Height	130 mm
Depth	44 mm
Product weight	0.53 kg
Terminals description ISO n°1	(11-12)NC (13-14)NO

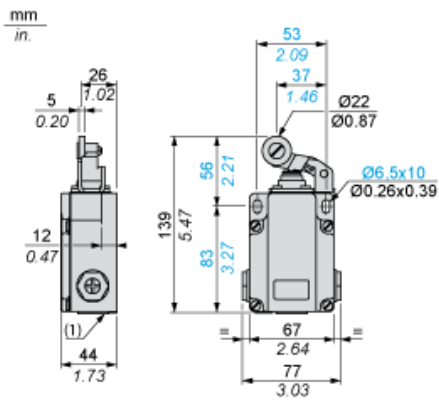
Environment

Shock resistance	95 gn 11 ms IEC 60068-2-27
Vibration resistance	9 gn 10...500 Hz IEC 60068-2-6
IP degree of protection	IP65 IEC 60529 IP65 NF C 20-010
Class of protection against electric shock	Class I conforming to IEC 61140 Class I conforming to NF C 20-030
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...70 °C
Protective treatment	TC
Operating position	Any position
Product certifications	CSA
Standards	EN 60947-5-1 IEC 60337-1 IEC 60947-5-1 VDE 0660-200 CSA C22.2 No 14

Offer Sustainability

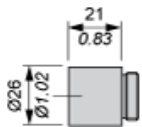
Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Will not be Compliant
REACH	Reference not containing SVHC above the threshold
Product end of life instructions	Need no specific recycling operations

Dimensions



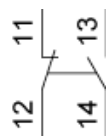
(1) 3 tapped entries for Pg 13.5 cable gland

Adaptator Dimensions for ISO M20 x 1.5



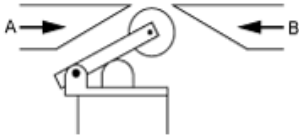
Wiring Diagram

Single-pole CO Slow Break

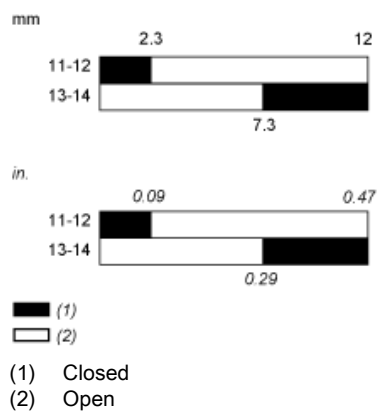


Characteristics of Actuation

Switch Actuation by 30° Cam



Functionnal Diagram



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