Product data sheet
Characteristics

XC1AC177
limit switch XC1AC - reinforced roller lever - 2NO - staggered

Product Life Status : END OF STANDARD SERVICE

TODAY
FEB 21, 2021

End of Commercialization
DEC 08, 2020

End of Standard Service
DEC 08, 2020



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 reinforced
Switch actuation	By 30° cam
Type of approach	Lateral approach, 2 directions
Electrical connection	Screw-clamp terminals, clamping capacity: 1 x 0.5...1 x 2.5 mm²
Cable entry	3 entries tapped for Pg 13.5 cable gland, cable outer diameter: 9…12 mm
Number of poles	2
Contacts type and composition	2 NO
Contact operation	Slow-break, staggered
Number of steps	1
Positive opening	Without
Minimum force for tripping	29 N

Product Life Status : END OF STANDARD SERVICE

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Complementary

Contacts insulation form	Zb
Maximum actuation speed	1 M/S from left 0.5 m/s from right
[Ithe] conventional enclosed thermal current	10 A
[Ui] rated insulation voltage	500 V AC
Maximum resistance across terminals	8 mOhm
Short-circuit protection	10 A cartridge fuse, type gG
Electrical durability	1000000 Cycles, AC-15 f = 50/60 Hz, inductive load type, 110 V, 900 VA, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 Cycles, AC-15 f = 50/60 Hz, inductive load type, 230 V, 1900 VA, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 Cycles, AC-15 f = 50/60 Hz, inductive load type, 48 V, 450 VA, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 Cycles, DC-13, inductive load type, 110 V, 100 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 Cycles, DC-13, inductive load type, 230 V, 95 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 Cycles, DC-13, inductive load type, 48 V, 100 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 3000000 Cycles, AC-15 f = 50/60 Hz, inductive load type, 110 V, 350 VA, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 3000000 Cycles, AC-15 f = 50/60 Hz, inductive load type, 230 V, 430 VA, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 3000000 Cycles, AC-15 f = 50/60 Hz, inductive load type, 48 V, 170 VA, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 3000000 Cycles, DC-13, inductive load type, 110 V, 40 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 3000000 Cycles, DC-13, inductive load type, 230 V, 33 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 3000000 cycles, DC-13, inductive load type, 48 V, 35 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C
Mechanical durability	10000000 cycles
Width	77 mm
Height	113 mm
Depth	44 mm
Net weight	0.87 kg
Terminals description ISO n°1	(13-14)NO (11-12)NC

Environment

Shock resistance	95 gn for 11 ms conforming to IEC 60068-2-27
Vibration resistance	9 gn (f= 10…500 Hz) conforming to IEC 60068-2-6
IP degree of protection	IP65 conforming to IEC 60529 IP65 conforming to NF C 20-010
Electrical shock protection class	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	IEC 947-5-1 EN 60947-5-1 IEC 337-1 CSA C22.2 No 14 VDE 0660-200

Packing Units

Package 1 Weight	0.960 kg
Package 1 Height	0.920 dm
Package 1 width	0.770 dm
Package 1 Length	0.440 dm

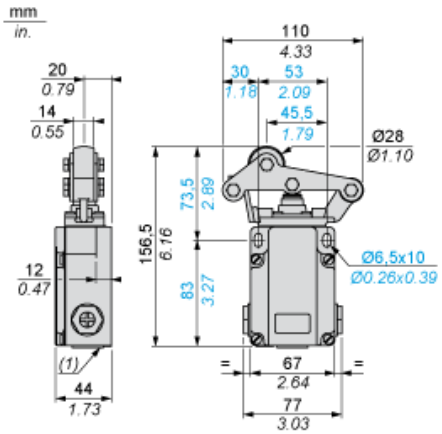
Offer Sustainability

REACh Regulation	REACh Declaration
EU RoHS Directive	Not applicable, out of EU RoHS legal scope
Environmental Disclosure	Product Environmental Profile

Contractual warranty

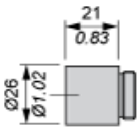
Warranty	18 months

Dimensions



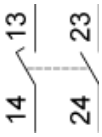
(1) 3 tapped entries for Pg 13.5 cable gland

Adaptator Dimensions for IS0 M20 x 1.5



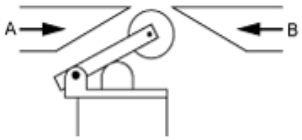
Wiring Diagram

2-pole NO + NO Staggered, Slow Break

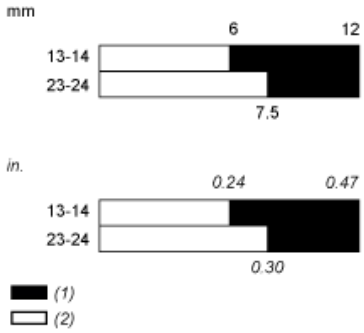


Characteristics of Actuation

Switch Actuation by 30° Cam



Functionnal Diagram



(1) Closed
(2) Open