

XCKM510H7

limit switch XCKM - metal end plunger - 1NC
+1NO - slow-break - 1/2NPT



Main

Range of Product	Telemecanique Limit switches XC Standard
Series name	Standard format
Product or Component Type	Limit switch
Device short name	XCKM
Body type	Fixed
Head type	Plunger head
Material	Metal
Body material	Zamak
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	3 entries tapped for 1/2" NPT cable gland
Number of poles	2
Contacts type and composition	1 NC + 1 NO
Contact operation	Slow-break, break before make

Complementary

Switch actuation	On end
Electrical connection	Screw-clamp terminals 1 x 0.5...2 x 2.5 mm ²
Contacts insulation form	Zb
Number of steps	1
Positive opening	With
Positive opening minimum force	45 N
Minimum force for tripping	15 N
Minimum actuation speed	6 m/min
Maximum actuation speed	1.64 ft/s (0.5 m/s)
Repeat accuracy	0.05 mm on the tripping points with 1 million operating cycles
Contact code designation	A300, AC-15 (Ue = 240 V), Ie = 3 A EN/IEC 60947-5-1 appendix A Q300, DC-13 (Ue = 250 V), Ie = 0.27 A EN/IEC 60947-5-1 appendix A
[Ithe] conventional enclosed thermal current	10 A AC
[Ui] rated insulation voltage	300 VUL 508 500 V 3)IEC 60947-1 300 VCSA C22.2 No 14
Maximum resistance across terminals	25 MOhm IEC 60255-7 category 3
[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, inductive, 120 V, 4 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C 5000000 Cycles, DC-13, inductive, 24 V, 7 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C 5000000 cycles, DC-13, inductive, 48 V, 10 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C
Mechanical durability	20000000 cycles
Width	2.52 in (64 mm)
Height	2.52 in (64 mm)

Depth	1.18 in (30 mm)
Terminals description ISO n°1	(13-14)NO (21-22)NC

Environment

Shock resistance	50 gn 11 ms EN/IEC 60068-2-27
Vibration resistance	25 gn 10...500 Hz)EN/IEC 60068-2-6
IP degree of protection	IP66 conforming to EN/IEC 60529
IK degree of protection	IK05 conforming to EN 50102
Electrical shock protection class	Class I IEC 61140 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	UL[RETURN]CSA[RETURN]CCC
Standards	CSA C22.2 No 14 IEC 60204-1 IEC 60947-5-1 EN 60947-5-1 UL 508 EN 60204-1

Ordering and shipping details

Category	22416-LIMIT SWITCHES,IEC,XCKL
Discount Schedule	T
GTIN	3389118120327
Returnability	No
Country of origin	ID

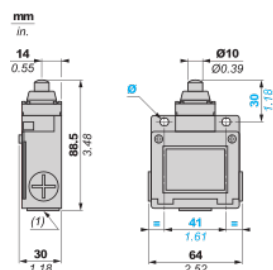
Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

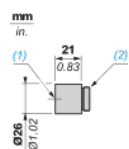
Contractual warranty

Warranty	18 months
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Dimensions



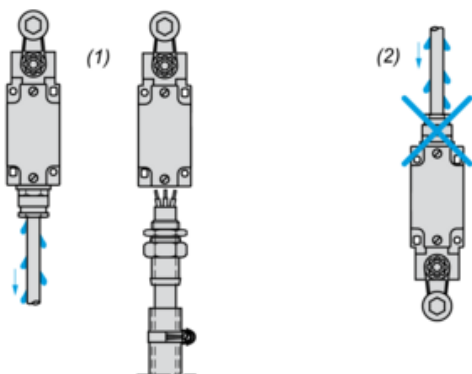
- (1) Tapped entry for 1/2" NPT
Ø : 2 elongated holes Ø 5.2 x 6.2



- (1) Tapped entry for 1/2" NPT conduit
(2) Pg 11 threaded sleeve

Mounting with Cable Entry

Position of Cable Gland

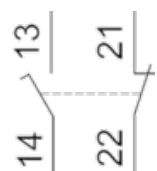


(1) Recommended

(2) To be avoided

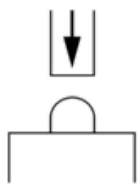
Wiring Diagram

2-pole N/C + N/O Break before Make, Slow Break

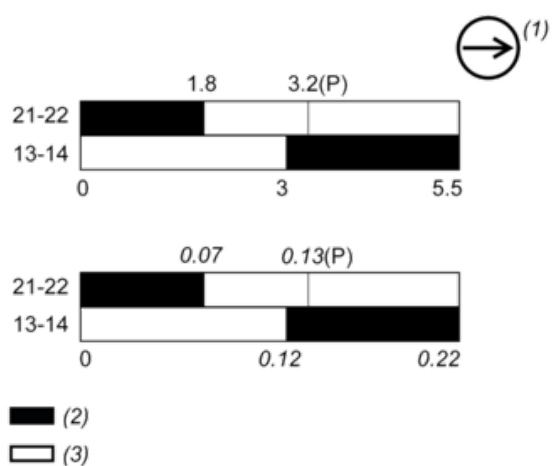


Characteristics of Actuation

Switch Actuation on End



Functionnal Diagram



(P) Positive opening point

(1) NC contact with positive opening operation

(2) Closed

(3) Open