

XCKM510

limit switch XCKM - metal end plunger - 1NC
+1NO - slow-break - Pg11



Main

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|-------------------------------|--|
| Range of product | OsiSense XC |
| 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 Pg 11 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, clamping capacity: 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 | 0.5 m/s |

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| 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) conforming to EN/IEC 60947-5-1 appendix A Q300, DC-13 (Ue = 250 V, Ie = 0.27 A) conforming to EN/IEC 60947-5-1 appendix A |
| [Ithe] conventional enclosed thermal current | 10 A AC |
| [Ui] rated insulation voltage | 300 V conforming to CSA C22.2 No 14 500 V degree of pollution 3 conforming to IEC 60947-1 300 V conforming to UL 508 |
| Resistance across terminals | <= 25 MOhm conforming to IEC 60255-7 category 3 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to IEC 60664 6 kV conforming to IEC 60947-1 |
| Short-circuit protection | 10 A by gG cartridge fuse |
| Electrical durability | 5000000 cycles, DC-13, inductive load type, 120 V, 4 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 cycles, DC-13, inductive load type, 24 V, 7 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 cycles, DC-13, inductive load type, 48 V, 10 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C |
| Mechanical durability | 20000000 cycles |
| Width | 64 mm |
| Height | 64 mm |
| Depth | 30 mm |
| Product weight | 0.25 kg |
| Terminals description ISO n°1 | (13-14)NO (21-22)NC |

Environment

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|---------------------------------------|---|
| Shock resistance | 50 gn (duration = 11 ms) conforming to EN/IEC 60068-2-27 |
| Vibration resistance | 25 gn (f = 10...500 Hz) conforming to 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 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 |
| Product certifications | UL CSA CCC |
| Standards | IEC 60204-1 EN 60204-1 UL 508 EN 60947-5-1 IEC 60947-5-1 CSA C22.2 No 14 |

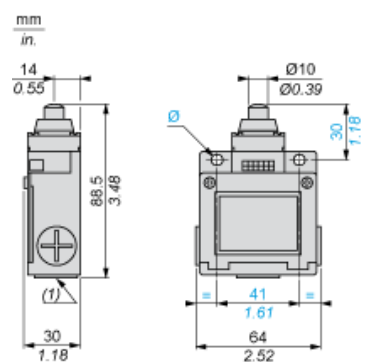
Offer Sustainability

| | |
|----------------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 1010 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold |
| Product end of life instructions | Need no specific recycling operations |

Contractual warranty

| | |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

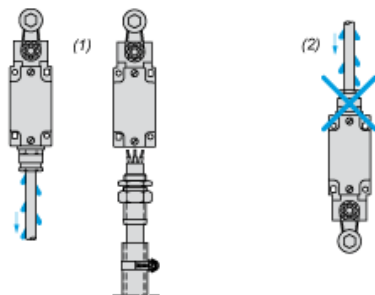
Dimensions



- (1) 3 tapped entries Pg 11 cable gland
Ø : 2 elongated holes $\varnothing 5.2 \times 6.2$

Mounting with Cable Entry

Position of Cable Gland



- (1) Recommended
- (2) To be avoided

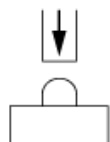
Wiring Diagram

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

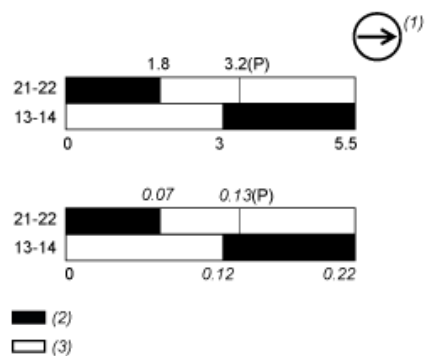


Characteristics of Actuation

Switch Actuation on End



Functionnal Diagram



- (P) Positive opening point
(1) NC contact with positive opening operation
(2) Closed
(3) Open

XCKM510 is replaced by:



Classic range XCKM510H29

limit switch XCKM - metal end plunger - 1NC+1NO - slow-break - M20

Qty 1

Reason for Substitution: Rebranding | Substitution date: 15 February 2006