



Main

| | |
|-------------------------------|---|
| Range of product | OsiSense ATEX D |
| Series name | Standard format |
| Product or component type | Limit switch |
| Device short name | XCKM |
| Body type | Fixed |
| Head type | Plunger head |
| Material | Metal |
| Fixing mode | By the body |
| Movement of operating head | Linear |
| Type of operator | Metal spring return plunger |
| Switch actuation | On end |
| Type of approach | Vertical approach, 1 direction |
| Electrical connection | Screw-clamp terminals, 1 x 0.34...2 x 0.75 mm ² |
| Cable entry number | 2 tapped entry (M20 x 1.5) cable gland 1 tapped entry (M20 x 1.5) for cable gland (included), cable outer diameter: 0.28...0.51 in (7...13 mm) |
| Number of poles | 3 |
| Contacts type and composition | 2 NC + 1 NO |
| Contacts insulation form | Zb |
| Contact operation | Snap action |
| Number of steps | 1 |
| Positive opening | With |
| Minimum force for tripping | 15 N |
| Maximum actuation speed | 1.64 ft/s (0.5 m/s) |
| IP degree of protection | IP66 conforming to IEC 60529 |

Complementary

| | |
|---|---|
| Body material | Zamak |
| Positive opening minimum force | 45 N |
| Minimum actuation speed | 0.01 m/min |
| Contact code designation | B300, AC-15 (240 V, I _e = 1.5 A) conforming to EN 60947-5-1 B300, AC-15 (240 V, I _e = 1.5 A) conforming to IEC 60947-5-1 appendix A R300, DC-13 (250 V, I _e = 0.1 A) conforming to EN 60947-5-1 R300, DC-13 (250 V, I _e = 0.1 A) conforming to IEC 60947-5-1 appendix A |
| [I _{th} e] conventional enclosed thermal current | 6 A AC |
| [U _i] rated insulation voltage | 400 V, pollution degree: 3 conforming to IEC 60947-1 300 V conforming to UL 508 300 V conforming to CSA C22.2 No 14 |
| Resistance across terminals | <= 25 MOhm conforming to IEC 60255-7 category 3 |
| [U _{imp}] rated impulse withstand voltage | 4 kV conforming to IEC 60664 4 kV conforming to IEC 60947-1 |
| Short-circuit protection | 6 A cartridge fuse, type gG |
| Electrical durability | 5000000 cycles DC-13 24 V 3 W, <= 3600 cyc/mn load factor: 0.5 conforming to IEC 60947-5-1 appendix C inductive DC 5000000 cycles DC-13 48 V 2 W, <= 3600 cyc/mn load factor: 0.5 conforming to IEC 60947-5-1 appendix C inductive DC 5000000 cycles DC-13 120 V 1 W, <= 3600 cyc/mn load factor: 0.5 conforming to IEC 60947-5-1 appendix C inductive DC |
| Mechanical durability | 20000000 cycles |
| Marking | II2 D-Ex tb IIIC T85°C Db IP66/67 |

| | |
|--------|-----------------|
| Width | 2.48 in (63 mm) |
| Height | 2.52 in (64 mm) |
| Depth | 1.18 in (30 mm) |

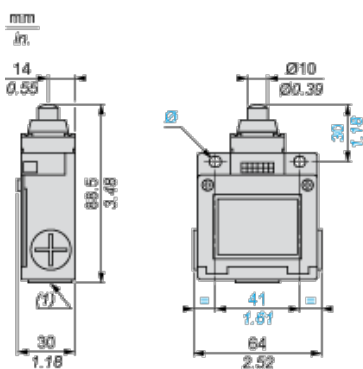
Environment

| | |
|---------------------------------------|--|
| shock resistance | 50 gn 11 ms conforming to IEC 60068-2-27 |
| vibration resistance | 25 gn 10...500 Hz IEC 60068-2-6 |
| electrical shock protection class | Class I conforming to IEC 61140 Class I conforming to NF C 20-030 |
| ambient air temperature for operation | -4...140 °F (-20...60 °C) |
| protective treatment | TC |
| dust zone | Zone 21 - 22 |
| product certifications | INERIS 04ATEX0014X IEC-Ex INE 17.0020X |
| standards | EN/IEC 60079-0 EN/IEC 60079-31 |
| directives | 2014/34/EU - ATEX directive |

Offer Sustainability

| | |
|--|--|
| Green Premium product | Green Premium product |
| Compliant - since 1001 - Schneider Electric declaration of conformity | Compliant - since 1001 - Schneider Electric declaration of conformity |
| Reference not containing SVHC above the threshold | Reference not containing SVHC above the threshold |
| Need no specific recycling operations | Need no specific recycling operations |
| WARNING: This product can expose you to chemicals including: | WARNING: This product can expose you to chemicals including: |
| Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and | Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and |
| Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. | Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. |
| For more information go to www.p65warnings.ca.gov | For more information go to www.p65warnings.ca.gov |

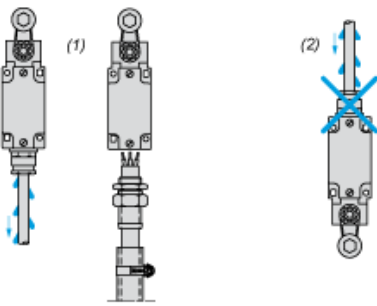
Dimensions



- (1) 3 tapped entries M20 x 1.5
 Ø : 2 elongated holes Ø 5.2 x 6.2

Mounting with Cable Entry

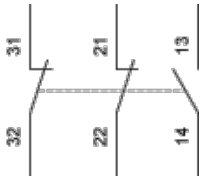
Position of Cable Gland



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

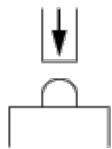
Wiring Diagram

3-pole NC + NC + NO Snap Action

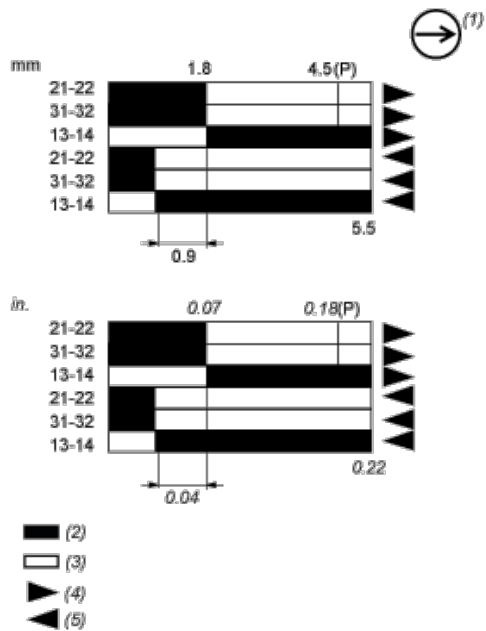


Characteristics of Actuation

Switch Actuation on End



Functionnal Diagram



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



Стандарт Электрон Связь

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