

Limit switch body, Limit switches XC Standard,  
ZCKL, 1NC+1 NO, snap action, 1/2"NPT



## Main

|                               |                                                                                                                                                                                      |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product              | Telemecanique Limit switches XC Standard                                                                                                                                             |
| Series name                   | Standard format                                                                                                                                                                      |
| Product or component type     | Limit switch body                                                                                                                                                                    |
| Device short name             | ZCKL                                                                                                                                                                                 |
| Body type                     | Fixed                                                                                                                                                                                |
| Product compatibility         | XCKL                                                                                                                                                                                 |
| Associated head               | ZCKD23<br>ZCKD239<br>ZCKD91<br>ZCKD59<br>ZCKD17<br>ZCKD41<br>ZCKD05<br>ZCKD21<br>ZCKD029<br>ZCKD16<br>ZCKD02<br>ZCKD06<br>ZCKD81<br>ZCKD10<br>ZCKD109<br>ZCKD15<br>ZCKD08<br>ZCKD219 |
| Body material                 | Metal                                                                                                                                                                                |
| Cable entry                   | 1 entry tapped for 1/2" NPT conduit                                                                                                                                                  |
| Number of poles               | 2                                                                                                                                                                                    |
| Contacts type and composition | 1 NC + 1 NO                                                                                                                                                                          |
| Contact operation             | Snap action                                                                                                                                                                          |
| Number of steps               | 1 1 position                                                                                                                                                                         |
| Contacts material             | Silver plated contacts                                                                                                                                                               |

## Complementary

|                                              |                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Local display                                | Without                                                                                                                                                                                                                                                                                                                                                             |
| Electrical connection                        | Screw-clamp terminals, clamping capacity: 1 x 0.34...2 x 1.5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                        |
| Positive opening                             | With                                                                                                                                                                                                                                                                                                                                                                |
| Minimum actuation speed                      | 0.01 m/min                                                                                                                                                                                                                                                                                                                                                          |
| [Ie] rated operational current               | 3 A at 240 V, AC-15, A300 conforming to IEC 60947-5-1 appendix A<br>0.27 A at 250 V, DC-13, Q300 conforming to IEC 60947-5-1 appendix A                                                                                                                                                                                                                             |
| [Ithe] conventional enclosed thermal current | 10 A                                                                                                                                                                                                                                                                                                                                                                |
| [Ui] rated insulation voltage                | 500 V (pollution degree 3) conforming to IEC 60947-1 for contact block<br>300 V conforming to CSA C22.2 No 14 for contact block<br>300 V conforming to UL 508 for contact block                                                                                                                                                                                     |
| Maximum resistance across terminals          | 0.25 mOhm conforming to IEC 60255-7 category 3                                                                                                                                                                                                                                                                                                                      |
| [Uimp] rated impulse withstand voltage       | 6 kV conforming to IEC 60664<br>6 kV conforming to IEC 60947-1                                                                                                                                                                                                                                                                                                      |
| Short-circuit protection                     | 10 A cartridge fuse, type gG                                                                                                                                                                                                                                                                                                                                        |
| Electrical durability                        | 5000000 Cycles, DC-13 120 V, 7 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>5000000 Cycles, DC-13 24 V, 13 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>5000000 cycles, DC-13 48 V, 9 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C |
| Width                                        | 52 mm                                                                                                                                                                                                                                                                                                                                                               |

|                               |                        |
|-------------------------------|------------------------|
| Height                        | 72 mm                  |
| Depth                         | 30 mm                  |
| Net weight                    | 0.21 kg                |
| Terminals description ISO n°1 | (23-24)NO<br>(13-14)NO |

## Environment

|                                       |                                      |
|---------------------------------------|--------------------------------------|
| IP degree of protection               | IP66                                 |
| IK degree of protection               | IK05                                 |
| Ambient air temperature for operation | -25...70 °C for standard environment |
| Ambient air temperature for storage   | -40...70 °C                          |
| Environmental characteristic          | Standard environment                 |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 3.600 cm  |
| Package 1 Width              | 6.300 cm  |
| Package 1 Length             | 10.200 cm |
| Package 1 Weight             | 210.000 g |
| Unit Type of Package 2       | S02       |
| Number of Units in Package 2 | 40        |
| Package 2 Height             | 15.000 cm |
| Package 2 Width              | 30.000 cm |
| Package 2 Length             | 40.000 cm |
| Package 2 Weight             | 8.619 kg  |

## Offer Sustainability

|                                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status                   | Green Premium product                                                                                                                                                                                                                                                                                                                                                             |
| Circularity Profile                        | No need of specific recycling operations                                                                                                                                                                                                                                                                                                                                          |
| California proposition 65                  | WARNING: This product can expose you to chemicals including: 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. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| For all Reach Rohs enquiries contact us at | <a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>                                                                                                                                                                                                                                                                                                    |

## Contractual warranty

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