

# Product data sheet

Specifications



Limit switch body, Limit switches XC Standard, ZCKJ, plug in, w/o display, 2C/O, snap action, Pg13

ZCKJ21

## Main

|                               |  |
|-------------------------------|--|
| Range of product              | Telemecanique Limit switches XC Standard   |
| Series name                   | Standard format  |
| Product or component type     | Limit switch body  |
| Device short name             | ZCKJ   |
| Body type                     | Plug-in body   |
| Product compatibility         | XCKJ   |
| Associated head               | ZCKE66<br>ZCKE63<br>ZCKE619<br>ZCKE21<br>ZCKE08<br>ZCKE64<br>ZCKE61<br>ZCKE05<br>ZCKE23<br>ZCKE67<br>ZCKE629<br>ZCKE62<br>ZCKE65<br>ZCKE06 |
| Body material                 | Metal  |
| Cable entry                   | 1 entry tapped for Pg 13.5 cable gland   |
| Number of poles               | 2  |
| Contacts type and composition | 2 C/O  |
| 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 0.75...2 x 1.5 mm <sup>2</sup>  |
| Positive opening                             | Without   |
| Minimum actuation speed                      | 0.01 m/min  |
| [Ie] rated operational current               | 3 A at 240 V, AC-15, A300 conforming to EN/IEC 60947-5-1 appendix A<br>0.27 A at 250 V, DC-13, Q300 conforming to EN/IEC 60947-5-1 appendix A |
| [Ithe] conventional enclosed thermal current | 10 A  |

|   |   |
|---|---|
| <b>[Ui] rated insulation voltage</b>          | 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   |
| <b>Maximum resistance across terminals</b>    | 0.25 mOhm conforming to IEC 60255-7 category 3  |
| <b>[Uimp] rated impulse withstand voltage</b> | 6 kV conforming to IEC 60664<br>6 kV conforming to IEC 60947-1  |
| <b>Short-circuit protection</b>               | 10 A cartridge fuse, type gG  |
| <b>Electrical durability</b>                  | 5000000 cycles, DC-13 120 V, 4 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, 10 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, 7 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C |
| <b>Width</b>                                  | 40 mm   |
| <b>Height</b>                                 | 77 mm   |
| <b>Depth</b>                                  | 44 mm   |
| <b>Product weight</b>                         | 0.31 kg   |
| <b>Terminals description ISO n°1</b>          | (21-22)NC<br>(13-14)NO<br>(11-12)NC<br>(23-24)NO  |

## Environment

|  |                                  |
|--|----------------------------------|
| <b>IP degree of protection</b>               | IP66                             |
| <b>IK degree of protection</b>               | IK07                             |
| <b>Ambient air temperature for operation</b> | 10...120 °C for high temperature |
| <b>Ambient air temperature for storage</b>   | 10...120 °C                      |
| <b>Environmental characteristic</b>          | High temperature                 |

## Packing Units

|                                     |         |
|-------------------------------------|---------|
| <b>Unit Type of Package 1</b>       | PCE     |
| <b>Number of Units in Package 1</b> | 1       |
| <b>Package 1 Height</b>             | 4.6 cm  |
| <b>Package 1 Width</b>              | 4.6 cm  |
| <b>Package 1 Length</b>             | 9.2 cm  |
| <b>Package 1 Weight</b>             | 340 g   |
| <b>Unit Type of Package 2</b>       | S01     |
| <b>Number of Units in Package 2</b> | 8       |
| <b>Package 2 Height</b>             | 15 cm   |
| <b>Package 2 Width</b>              | 15 cm   |
| <b>Package 2 Length</b>             | 40 cm   |
| <b>Package 2 Weight</b>             | 2.91 kg |

## Offer Sustainability

|                                 |   |
|---------------------------------|---|
| <b>Sustainable offer status</b> | Green Premium product   |
| <b>REACH Regulation</b>         | <a href="#">REACH Declaration</a>   |
| <b>EU RoHS Directive</b>        | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a> |

---

|                                   |   |
|-----------------------------------|---|
| <b>Mercury free</b>               | Yes   |
| <b>RoHS exemption information</b> | <a href="#">Yes</a>   |
| <b>Environmental Disclosure</b>   | <a href="#">Product Environmental Profile</a>   |
| <b>California proposition 65</b>  | 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> |

---

## Contractual warranty

---

|                 |           |
|-----------------|-----------|
| <b>Warranty</b> | 18 months |
|-----------------|-----------|

## Recommended replacement(s)