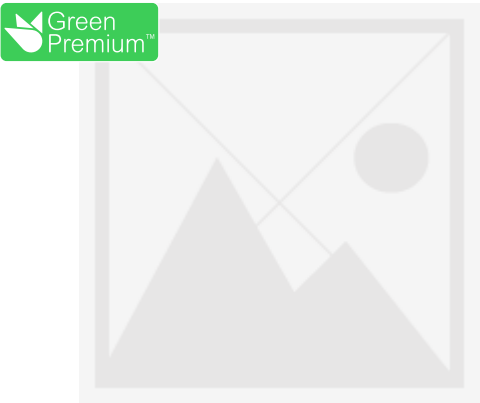


# Product data sheet

Specifications



Limit switch body, Limit switches XC Standard, ZCD, compact, 1NC+2 NO, snap action

ZCD31

## Main

|                               |                                                                                                                                                                                                                      |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product              | Telemecanique Limit switches XC Standard                                                                                                                                                                             |
| Series name                   | Standard compact                                                                                                                                                                                                     |
| Product or component type     | Limit switch body                                                                                                                                                                                                    |
| Device short name             | ZCD                                                                                                                                                                                                                  |
| Design                        | Compact                                                                                                                                                                                                              |
| Body type                     | Fixed                                                                                                                                                                                                                |
| Associated head               | ZCE65<br>ZCE02<br>ZCE27<br>ZCE14<br>ZCE06<br>ZCE66<br>ZCE63<br>ZCE21<br>ZCE13<br>ZCE05<br>ZCE28<br>ZCE01<br>ZCE64<br>ZCE11<br>ZCE10<br>ZCEH2<br>ZCE62<br>ZCE08<br>ZCE07<br>ZCE29<br>ZCE67<br>ZCEH0<br>ZCE24<br>ZCE09 |
| Body material                 | Zamak                                                                                                                                                                                                                |
| Number of poles               | 3                                                                                                                                                                                                                    |
| Contacts type and composition | 1 NC + 2 NO                                                                                                                                                                                                          |
| Contact operation             | Snap action                                                                                                                                                                                                          |

## Complementary

|                                 |                                                                   |
|---------------------------------|-------------------------------------------------------------------|
| Associated connection component | ZCDEG11<br>ZCDEF12<br>ZCDEN12<br>ZCDEP16<br>ZCDEP20<br>ZCDEG13    |
| Electrical connection           | Screw-clamp terminals, clamping capacity: 1 x 0.34...2 x 0.75 mm² |
| Contacts insulation form        | Zb                                                                |

|                                        |                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contacts material                      | Silver plated contacts                                                                                                                                                                                                                                                                                                                                             |
| Positive opening                       | With                                                                                                                                                                                                                                                                                                                                                               |
| Minimum actuation speed                | 0.01 m/s                                                                                                                                                                                                                                                                                                                                                           |
| Contact code designation               | R300, DC-13 (Ue = 250 V), Ie = 0.1 A conforming to EN/IEC 60947-5-1 appendix A<br>C300, AC-15 (Ue = 240 V), Ie = 0.75 A conforming to EN/IEC 60947-5-1 appendix A                                                                                                                                                                                                  |
| [Ui] rated insulation voltage          | 300 V conforming to UL 508<br>300 V conforming to CSA C22.2 No 14<br>400 V (pollution degree 3) conforming to IEC 60947-1                                                                                                                                                                                                                                          |
| [Uimp] rated impulse withstand voltage | 4 kV conforming to IEC 60664<br>4 kV conforming to IEC 60947-1                                                                                                                                                                                                                                                                                                     |
| Short-circuit protection               | 6 A cartridge fuse, type gG                                                                                                                                                                                                                                                                                                                                        |
| Electrical durability                  | 5000000 cycles, DC-13 120 V, 2 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, 4 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, 3 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C |
| Width                                  | 31 mm                                                                                                                                                                                                                                                                                                                                                              |
| Height                                 | 65 mm                                                                                                                                                                                                                                                                                                                                                              |
| Depth                                  | 30 mm                                                                                                                                                                                                                                                                                                                                                              |

## Environment

|                                       |             |
|---------------------------------------|-------------|
| Product compatibility                 | XCKD        |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage   | -40...70 °C |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 4.2 cm   |
| Package 1 Width              | 4.3 cm   |
| Package 1 Length             | 7.8 cm   |
| Package 1 Weight             | 139.0 g  |
| Unit Type of Package 2       | S01      |
| Number of Units in Package 2 | 27       |
| Package 2 Height             | 15.0 cm  |
| Package 2 Width              | 15.0 cm  |
| Package 2 Length             | 40.0 cm  |
| Package 2 Weight             | 4.084 kg |

## Offer Sustainability

|                            |                                                                                                   |
|----------------------------|---------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                             |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                 |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a> |
| Mercury free               | Yes                                                                                               |
| RoHS exemption information | <a href="#">Yes</a>                                                                               |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                     |

|                           |                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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> |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Contractual warranty

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

Recommended replacement(s)