

# Product data sheet

Specifications



## Limit switch body, Limit switches XC Standard, ZCD, compact, 1NC+1 NO, snap action, M12 5P

ZCD21M12

### 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               | ZCE24<br>ZCE13<br>ZCE63<br>ZCE02<br>ZCE21<br>ZCE66<br>ZCE07<br>ZCE08<br>ZCE06<br>ZCE09<br>ZCE64<br>ZCE27<br>ZCE28<br>ZCE65<br>ZCE11<br>ZCEH0<br>ZCE01<br>ZCE05<br>ZCE14<br>ZCE67<br>ZCE29<br>ZCE10<br>ZCEH2<br>ZCE62 |
| Body material                 | Zamak  |
| Number of poles               | 2  |
| Contacts type and composition | 1 NC + 1 NO  |
| Contact operation             | Snap action  |

### Complementary

|                          |  |
|--------------------------|--|
| Electrical connection    | Male connector M12, 5 pins   |
| Contacts insulation form | Zb   |
| Contacts material        | Silver plated contacts   |
| Positive opening         | With   |
| Minimum actuation speed  | 0.01 m/s   |
| Contact code designation | B300, AC-15 (Ue = 240 V), Ie = 1.5 A conforming to EN/IEC 60947-5-1 appendix A |

|   |   |
|---|---|
| <b>[Ui] rated insulation voltage</b>                | 300 V conforming to UL 508<br>500 V (pollution degree 3) conforming to IEC 60947-1<br>300 V conforming to CSA C22.2 No 14   |
| <b>Maximum resistance across terminals</b>          | 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>[Ie] rated operational current</b>               | 3 A at 50 V, AC-15 conforming to EN/IEC 60947-5-1 appendix A<br>0.27 A at 50 V, DC-13 conforming to EN/IEC 60947-5-1 appendix A   |
| <b>[Ithe] conventional enclosed thermal current</b> | 4 A   |
| <b>Electrical durability</b>                        | 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>  | 31 mm   |
| <b>Height</b>                                       | 65 mm   |
| <b>Depth</b>  | 30 mm   |

## Environment

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

## Packing Units

|                                     |          |
|-------------------------------------|----------|
| <b>Unit Type of Package 1</b>       | PCE      |
| <b>Number of Units in Package 1</b> | 1        |
| <b>Package 1 Height</b>             | 3.0 cm   |
| <b>Package 1 Width</b>              | 5.0 cm   |
| <b>Package 1 Length</b>             | 11.6 cm  |
| <b>Package 1 Weight</b>             | 159.0 g  |
| <b>Unit Type of Package 2</b>       | S01      |
| <b>Number of Units in Package 2</b> | 22       |
| <b>Package 2 Height</b>             | 15.0 cm  |
| <b>Package 2 Width</b>              | 15.0 cm  |
| <b>Package 2 Length</b>             | 40.0 cm  |
| <b>Package 2 Weight</b>             | 3.817 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>   |

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**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 [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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**Contractual warranty**

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**Warranty** 18 months

**Recommended replacement(s)**