

# Product datasheet

Specifications



## LIMIT SWITCH METAL - 1 NO AND 1 NC - XCKJ

XCKJ105217H29

### Main

|                               |   |
|-------------------------------|---|
| Range of product              | Telemecanique Limit switches XC Standard                                  |
| Series name                   | Standard format   |
| Product or component type     | Limit switch  |
| Device short name             | XCKJ  |
| Sensor design                 | Form A conforming to CENELEC EN 50041                                     |
| Body type                     | Fixed   |
| Head type                     | Rotary head   |
| Material                      | Metal   |
| Body material                 | Zamak   |
| Head material                 | Zamak   |
| Fixing mode                   | By the body   |
| Movement of operating head    | Rotary  |
| Type of operator              | Spring return roller lever  |
| Type of approach              | Lateral approach, 1 or 2 programmable direction                           |
| Cable entry                   | 1 entry tapped for M20 x 1.5 cable gland, cable outer diameter: 7...13 mm |
| Number of poles               | 2   |
| Contacts type and composition | 1 NC + 1 NO   |
| Contact operation             | Snap action   |

### Complementary

|  |   |
|--|---|
| Switch actuation   | By 30° cam  |
| Electrical connection                                    | Screw-clamp terminals, clamping capacity: 1 x 0.34...2 x 1.5 mm <sup>2</sup>  |
| Contacts insulation form                                 | Zb  |
| Number of steps  | 1   |
| Minimum torque for tripping                              | 0.25 N.m  |
| Maximum actuation speed                                  | 1.5 m/s   |
| [I <sub>e</sub> ] rated operational current              | 0.27 A at 50 V, DC-13 conforming to EN/IEC 60947-5-1 appendix A<br>3 A at 50 V, AC-15 conforming to EN/IEC 60947-5-1 appendix A |
| [I <sub>th</sub> ] conventional enclosed thermal current | 4 A   |

|   |   |
|---|---|
| <b>[Ui] rated insulation voltage</b>          | 60 V (pollution degree 3) conforming to IEC 60947-1   |
| <b>Maximum resistance across terminals</b>    | 25 MOhm conforming to IEC 60255-7 category 3  |
| <b>[Uimp] rated impulse withstand voltage</b> | 0.8 kV conforming to IEC 60664<br>0.8 kV conforming to IEC 60947-1  |
| <b>Short-circuit protection</b>               | 4 A cartridge fuse, type gG   |
| <b>Electrical durability</b>                  | 5000000 cycles, DC-13, inductive load type, 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, inductive load type, 48 V, 7 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C |
| <b>Mechanical durability</b>                  | 30000000 cycles   |
| <b>Width</b>                                  | 40 mm   |
| <b>Height</b>                                 | 89 mm   |
| <b>Depth</b>                                  | 44 mm   |
| <b>Terminals description ISO n°1</b>          | (21-22)NC<br>(13-14)NO  |

## Environment

|  |   |
|--|---|
| <b>Shock resistance</b>                      | 50 gn for 11 ms conforming to IEC 60068-2-27  |
| <b>Vibration resistance</b>                  | 25 gn (f= 10...500 Hz) conforming to IEC 60068-2-6  |
| <b>IP degree of protection</b>               | IP66 conforming to IEC 60529  |
| <b>IK degree of protection</b>               | IK07 conforming to EN 50102   |
| <b>Overvoltage category</b>                  | Class I conforming to IEC 61140<br>Class I conforming to NF C 20-030  |
| <b>Ambient air temperature for operation</b> | -25...70 °C   |
| <b>Ambient air temperature for storage</b>   | -40...70 °C   |
| <b>Protective treatment</b>                  | TH  |
| <b>Product certifications</b>                | UL<br>CSA<br>CCC  |
| <b>Standards</b>                             | CENELEC EN 50041<br>IEC 60204-1<br>UL 508<br>EN 60947-5-1<br>IEC 60947-5-1<br>EN 60204-1<br>CSA C22.2 No 14 |

## Packing Units

|                                     |         |
|-------------------------------------|---------|
| <b>Unit Type of Package 1</b>       | PCE     |
| <b>Number of Units in Package 1</b> | 1       |
| <b>Package 1 Height</b>             | 4.2 cm  |
| <b>Package 1 Width</b>              | 5.7 cm  |
| <b>Package 1 Length</b>             | 21.0 cm |
| <b>Package 1 Weight</b>             | 510.0 g |

## Offer Sustainability

|                          |   |
|--------------------------|---|
| <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   |

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RoHS exemption information    Yes

Recommended replacement(s)