XCKJ10541
limit switch XCKJ - th.plastic roller lever var.
length - 1NC+1NO - snap - Pg13

Product data sheet
Characteristics

Main

<table>
<thead>
<tr>
<th>Range of product</th>
<th>OsiSense XC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Series name</td>
<td>Standard format</td>
</tr>
<tr>
<td>Product or component type</td>
<td>Limit switch</td>
</tr>
<tr>
<td>Device short name</td>
<td>XCKJ</td>
</tr>
<tr>
<td>Sensor design</td>
<td>-</td>
</tr>
<tr>
<td>Body type</td>
<td>Fixed</td>
</tr>
<tr>
<td>Head type</td>
<td>Rotary head</td>
</tr>
<tr>
<td>Material</td>
<td>Metal</td>
</tr>
<tr>
<td>Body material</td>
<td>Zamak</td>
</tr>
<tr>
<td>Head material</td>
<td>Zamak</td>
</tr>
<tr>
<td>Fixing mode</td>
<td>By the body</td>
</tr>
<tr>
<td>Movement of operating head</td>
<td>Rotary</td>
</tr>
<tr>
<td>Type of operator</td>
<td>Spring return roller lever thermoplastic variable length</td>
</tr>
<tr>
<td>Type of approach</td>
<td>Lateral approach, 1 or 2 programmable direction</td>
</tr>
<tr>
<td>Cable entry</td>
<td>1 entry tapped for Pg 13.5 cable gland, cable outer diameter: 9…12 mm</td>
</tr>
<tr>
<td>Number of poles</td>
<td>2</td>
</tr>
<tr>
<td>Contacts type and composition</td>
<td>1 NC + 1 NO</td>
</tr>
<tr>
<td>Contact operation</td>
<td>Snap action</td>
</tr>
</tbody>
</table>

Complementary

Switch actuation
- By 30° cam

Electrical connection
- Screw-clamp terminals, clamping capacity: 1 x 0.34...2 x 1.5 mm²

Contacts insulation form
- Zb

Number of steps
- 1

Positive opening
- Without

Minimum torque for tripping
- 0.25 N.M

Maximum actuation speed
- 1.5 M/S

[le] rated operational current
- 3 A at 240 V, AC-15, A300 conforming to EN/IEC 60947-5-1 appendix A
- 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

[Ui] rated insulation voltage
- 300 V conforming to UL 508
- 500 V (pollution degree 3) conforming to IEC 60947-1
- 300 V conforming to CSA C22.2 No 14

Maximum resistance across terminals
- 25 MOhm conforming to IEC 60255-7 category 3

[Uimp] rated impulse withstand voltage
- 6 KV IEC 60664
- 6 KV IEC 60947-1

Short-circuit protection
- 10 A cartridge fuse, type gG

Electrical durability
- 5000000 Cycles, DC-13, inductive load type, 120 V, 4 W, operating rate <60 cyc/ mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C
- 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
- 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

Mechanical durability
- 30000000 Cycles

Width
- 40 Mm
<table>
<thead>
<tr>
<th><strong>Height</strong></th>
<th>77 Mm</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Depth</strong></td>
<td>44 Mm</td>
</tr>
<tr>
<td><strong>Net weight</strong></td>
<td>0.485 Kg</td>
</tr>
<tr>
<td><strong>Terminals description ISO n°1</strong></td>
<td>(21-22)NC (13-14)NO</td>
</tr>
</tbody>
</table>

### Environment

<table>
<thead>
<tr>
<th><strong>Shock resistance</strong></th>
<th>50 gn for 11 ms conforming to IEC 60068-2-27</th>
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</thead>
<tbody>
<tr>
<td><strong>Vibration resistance</strong></td>
<td>25 gn (f= 10…500 Hz) conforming to IEC 60068-2-6</td>
</tr>
<tr>
<td><strong>IP degree of protection</strong></td>
<td>IP66 conforming to IEC 60529</td>
</tr>
<tr>
<td><strong>IK degree of protection</strong></td>
<td>IK07 conforming to EN 50102</td>
</tr>
<tr>
<td><strong>Overvoltage category</strong></td>
<td>Class I conforming to IEC 61140</td>
</tr>
<tr>
<td></td>
<td>Class I conforming to NF C 20-030</td>
</tr>
<tr>
<td><strong>Ambient air temperature for operation</strong></td>
<td>-25…70 °C</td>
</tr>
<tr>
<td><strong>Ambient air temperature for storage</strong></td>
<td>-40…70 °C</td>
</tr>
<tr>
<td><strong>Protective treatment</strong></td>
<td>TC</td>
</tr>
<tr>
<td><strong>Product certifications</strong></td>
<td>CCC</td>
</tr>
<tr>
<td></td>
<td>UL</td>
</tr>
<tr>
<td></td>
<td>CSA</td>
</tr>
</tbody>
</table>

### Standards

| **CENELEC EN 50041**              |                                           |
| **EN 60204-1**                    |                                           |
| **CSA C22.2 No 14**               |                                           |
| **IEC 60204-1**                   |                                           |
| **UL 508**                        |                                           |
| **EN 60947-5-1**                  |                                           |
| **IEC 60947-5-1**                 |                                           |

### Offer Sustainability

| **Sustainable offer status**      | Green Premium product                     |
| **EU RoHS Directive**             | Pro-active compliance (Product out of EU RoHS legal scope) [EU RoHS Declaration](#) |
| **Mercury free**                  | Yes                                        |
| **RoHS exemption information**    | Yes                                        |
| **Environmental Disclosure**      | [Product Environmental Profile](#)        |

### Contractual warranty

<table>
<thead>
<tr>
<th><strong>Warranty</strong></th>
<th>18 months</th>
</tr>
</thead>
</table>
Dimensions

(1) 1 tapped entry Pg 13.5
Mounting with Cable Entry

Position of Cable Gland

(1) Recommended
(2) To be avoided

Mounting with Rotary Heads and Levers

Type of Cam

(1) Recommended
(2) To be avoided

Setting-up with Lever Head

(1) 5° steps throughout 360° / Tightening torque (Min : 1) (Max : 1.5)
(2) 45° steps throughout 360° / Tightening torque (Min : 1) (Max : 1.5)
(a) Tightening torque (Min : 1) (Max : 1.5)

Setting-up with Head ZCKE05
Direction of Actuation Programming
Wiring Diagram

2-pole NC + NO Snap Action

```
12
\|\|
11
\|\|
10

4

22

21
```
Characteristics of Actuation

Switch Actuation by 30° Cam

Functionnal Diagram

<table>
<thead>
<tr>
<th>21-22</th>
<th>23°</th>
</tr>
</thead>
<tbody>
<tr>
<td>15-14</td>
<td>11°</td>
</tr>
</tbody>
</table>

(1) Closed
(2) Open
(3) Tripping
(4) Resetting