

# ZCP31

limit switch body ZCP - compact - 1NC+2NO -  
snap action



## Main

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

## Complementary

|                                        |                                                                                                                                                                               |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Associated connection component        | ZCPEF12<br>ZCPEG11<br>ZCPEG13<br>ZCPEN12<br>ZCPEP16<br>ZCPEP20                                                                                                                |
| Electrical connection                  | Screw-clamp terminals, clamping capacity: 1 x 0.34...2 x 0.75 mm <sup>2</sup>                                                                                                 |
| Contacts insulation form               | Zb                                                                                                                                                                            |
| Contacts material                      | Silver plated contacts                                                                                                                                                        |
| Positive opening                       | With                                                                                                                                                                          |
| Minimum actuation speed                | 0.01 m/s                                                                                                                                                                      |
| Contact code designation               | C300, AC-15 240 V, I <sub>e</sub> = 0.75 A) conforming to EN/IEC 60947-5-1 appendix A<br>R300, DC-13 250 V, I <sub>e</sub> = 0.1 A) conforming to EN/IEC 60947-5-1 appendix A |
| [Ui] rated insulation voltage          | 300 V conforming to CSA C22-2 No 14<br>300 V conforming to UL 508<br>400 V degree of pollution 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 by gG cartridge fuse                                                                                                                                                      |

|                       |                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical durability | 5000000 cycles, DC-13 120 V, 1 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, 3 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, 2 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                                                                                                                                                                                                                                                                                                                                                                    |
| Product weight        | 0.07 kg                                                                                                                                                                                                                                                                                                                                                                  |

## Environment

|                                       |             |
|---------------------------------------|-------------|
| Product compatibility                 | XCKP        |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage   | -40...70 °C |
| RoHS EUR status                       | Compliant   |
| RoHS EUR conformity date              | 1002        |