

# ZCP21M12

Limit switch body, Limit switches XC Standard, ZCP, compact, 1NC+1 NO, snap action, M12 4P



## Main

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

## Complementary

|                                        |                                                                                                                                      |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Electrical connection                  | Male connector M12, 4 pins                                                                                                           |
| Contacts insulation form               | Zb                                                                                                                                   |
| Contacts material                      | Silver plated contacts                                                                                                               |
| Positive opening                       | With                                                                                                                                 |
| Minimum actuation speed                | 0.03 ft/s (0.01 m/s)                                                                                                                 |
| Contact code designation               | B300, AC-15 (Ue = 240 V), Ie = 1.5 A EN/IEC 60947-5-1 appendix A<br>R300, DC-13 (Ue = 250 V), Ie = 0.1 A EN/IEC 60947-5-1 appendix A |
| [Ui] rated insulation voltage          | 300 VUL 508<br>500 V 3)IEC 60947-1<br>300 VCSA C22.2 No 14                                                                           |
| Maximum resistance across terminals    | 25 mOhm IEC 60255-7 category 3                                                                                                       |
| [Uimp] rated impulse withstand voltage | 6 kV IEC 60664<br>6 kV IEC 60947-1                                                                                                   |
| Short-circuit protection               | 10 A cartridge fuse gG                                                                                                               |
| [Ie] rated operational current         | 3 A 240 V, AC-15 EN/IEC 60947-5-1 appendix A<br>0.27 A 250 V, DC-13 EN/IEC 60947-5-1 appendix A                                      |

|                                              |                                                                                                                                                                                                                              |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ithe] conventional enclosed thermal current | 3 A                                                                                                                                                                                                                          |
| Electrical durability                        | 5000000 Cycles, DC-13 120 V, 4 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C<br>5000000 Cycles, DC-13 24 V, 10 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C<br>5000000 cycles, DC-13 48 V, 7 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C |
| Width                                        | 1.22 in (31 mm)                                                                                                                                                                                                              |
| Height                                       | 2.56 in (65 mm)                                                                                                                                                                                                              |
| Depth                                        | 1.18 in (30 mm)                                                                                                                                                                                                              |
| Net Weight                                   | 0.15 lb(US) (0.07 kg)                                                                                                                                                                                                        |

## Environment

|                                       |                            |
|---------------------------------------|----------------------------|
| Product Compatibility                 | XCKP                       |
| Ambient air temperature for operation | -13...158 °F (-25...70 °C) |
| Ambient Air Temperature for Storage   | -40...158 °F (-40...70 °C) |

## Ordering and shipping details

|                   |                                  |
|-------------------|----------------------------------|
| Category          | 22418-LIMIT SWITCH,IEC,XCKP&XCKT |
| Discount Schedule | T                                |
| GTIN              | 3389110183962                    |
| Returnability     | Yes                              |
| Country of origin | ID                               |

## Packing Units

|                              |                         |
|------------------------------|-------------------------|
| Unit Type of Package 1       | PCE                     |
| Number of Units in Package 1 | 1                       |
| Package 1 Height             | 1.30 in (3.3 cm)        |
| Package 1 Width              | 1.57 in (4 cm)          |
| Package 1 Length             | 3.82 in (9.7 cm)        |
| Package 1 Weight             | 2.43 oz (69 g)          |
| Unit Type of Package 2       | S02                     |
| Number of Units in Package 2 | 77                      |
| Package 2 Height             | 5.91 in (15 cm)         |
| Package 2 Width              | 11.81 in (30 cm)        |
| Package 2 Length             | 15.75 in (40 cm)        |
| Package 2 Weight             | 12.92 lb(US) (5.862 kg) |

## Offer Sustainability

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

## Contractual warranty

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