

# XCKT2121P16

limit switch XCKT - th.plastic roller lever plung.  
Hor - 1NC+1NO - snap - M16

Product availability: Non-Stock - Not normally stocked in distribution facility



## Main

|                               |                                                  |
|-------------------------------|--------------------------------------------------|
| Commercial Status             | Commercialised                                   |
| Range of product              | OsiSense XC                                      |
| Series name                   | Standard format                                  |
| Product or component type     | Limit switch                                     |
| Device short name             | XCKT                                             |
| Sensor design                 | Compact form E conforming to CENELEC EN 50047    |
| Body type                     | Fixed                                            |
| Head type                     | Plunger head                                     |
| Material                      | Plastic                                          |
| Body material                 | Plastic                                          |
| Head material                 | Zamak                                            |
| Fixing mode                   | By the body                                      |
| Movement of operating head    | Linear                                           |
| Type of operator              | Spring return roller lever plunger thermoplastic |
| Type of approach              | Lateral approach 1 direction                     |
| Number of poles               | 2                                                |
| Contacts type and composition | 1 NC + 1 NO                                      |
| Contacts 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>                                                                                                                                                                                                                                                                                                    |
| Cable entry                            | 2 entries tapped for M16 x 1.5 cable gland, cable outer diameter: 0.16...0.31 in (4...8 mm)                                                                                                                                                                                                                                                                                     |
| Contacts insulation form               | Zb                                                                                                                                                                                                                                                                                                                                                                              |
| Positive opening                       | With                                                                                                                                                                                                                                                                                                                                                                            |
| Positive opening minimum force         | 18 N                                                                                                                                                                                                                                                                                                                                                                            |
| Minimum force for tripping             | 6 N                                                                                                                                                                                                                                                                                                                                                                             |
| Maximum actuation speed                | 3.28 ft/s (1 m/s)                                                                                                                                                                                                                                                                                                                                                               |
| Repeat accuracy                        | 0.1 mm on the tripping points with 1 million operating cycles                                                                                                                                                                                                                                                                                                                   |
| Contact code designation               | Q300, DC-13 (U <sub>e</sub> = 250 V, I <sub>e</sub> = 0.27 A) conforming to EN/IEC 60947-5-1 appendix A<br>A300, AC-15 (U <sub>e</sub> = 240 V, I <sub>e</sub> = 3 A), I <sub>the</sub> = 10 A conforming to EN/IEC 60947-5-1 appendix A                                                                                                                                        |
| [Ui] rated insulation voltage          | 300 V conforming to CSA C22.2 No 14<br>500 V degree of pollution 3 conforming to IEC 60947-1<br>300 V conforming to UL 508                                                                                                                                                                                                                                                      |
| Resistance across terminals            | <= 25 MOhm conforming to IEC 60255-7 category 3                                                                                                                                                                                                                                                                                                                                 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to IEC 60947-1<br>6 kV conforming to IEC 60664                                                                                                                                                                                                                                                                                                                  |
| Short circuit protection               | 10 A by gG cartridge fuse                                                                                                                                                                                                                                                                                                                                                       |
| Electrical durability                  | 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<br>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, 120 V, 4 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C |
| Mechanical durability                  | 15000000 cycles                                                                                                                                                                                                                                                                                                                                                                 |
| Width                                  | 2.28 in (58 mm)                                                                                                                                                                                                                                                                                                                                                                 |

|                               |                        |
|-------------------------------|------------------------|
| Height                        | 2.01 in (51 mm)        |
| Depth                         | 1.18 in (30 mm)        |
| Product weight                | 0.25 lb(US) (0.115 kg) |
| Terminals description ISO n°1 | (13-14)NO<br>(21-22)NC |

## Environment

|                                            |                                                                 |
|--------------------------------------------|-----------------------------------------------------------------|
| Shock resistance                           | 50 gn (duration = 11 ms) conforming to IEC 60068-2-27           |
| Vibration resistance                       | 25 gn (f = 10...500 Hz) conforming to IEC 60068-2-6             |
| IP degree of protection                    | IP67 conforming to IEC 60529<br>IP66 conforming to IEC 60529    |
| IK degree of protection                    | IK04 conforming to EN 50102                                     |
| Class of protection against electric shock | Class II conforming to NF C 20-030<br>Class II                  |
| Ambient air temperature for operation      | -13...158 °F (-25...70 °C)                                      |
| Ambient air temperature for storage        | -40...158 °F (-40...70 °C)                                      |
| Protective treatment                       | TC                                                              |
| Product certifications                     | CCC<br>CSA<br>UL                                                |
| Standards                                  | EN/IEC 60204-1<br>EN/IEC 60947-5-1<br>UL 508<br>CSA C22.2 No 14 |

## Ordering and shipping details

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| Category              | 22418 - LIMIT SWITCH,IEC,XCKP&XCKT                        |
| Discount Schedule     | T                                                         |
| GTIN                  | 00785901913047                                            |
| Nbr. of units in pkg. | 1                                                         |
| Package weight(Lbs)   | 0.70                                                      |
| Product availability  | Non-Stock - Not normally stocked in distribution facility |
| Returnability         | Y                                                         |
| Country of origin     | FR                                                        |

## Offer Sustainability

|                               |                                                                                       |
|-------------------------------|---------------------------------------------------------------------------------------|
| Sustainable offer status      | Not Green Premium product                                                             |
| RoHS                          | Compliant - since 1002 - <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                         | Reference not containing SVHC above the threshold                                     |
| Product environmental profile | Available <a href="#">Download Product Environmental</a>                              |

## Contractual warranty

|        |           |
|--------|-----------|
| Period | 18 months |
|--------|-----------|

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