



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             | XCMD                        |
| Sensor design                 | Miniature                   |
| Body type                     | Plug-in body                |
| Head type                     | M12 plunger head            |
| Material                      | Metal                       |
| Body material                 | Zamak                       |
| Head material                 | Zamak                       |
| Fixing mode                   | By the head                 |
| Movement of operating head    | Linear                      |
| Type of operator              | Spring return plunger metal |
| Type of approach              | Vertical approach           |
| Number of poles               | 2                           |
| Contacts type and composition | 1 NC + 1 NO                 |
| Contacts operation            | Snap action                 |

### Complementary

|  |  |
|--|--|
| Switch actuation                             | On end   |
| Electrical connection                        | Male connector M12, 5 pins   |
| Contacts insulation form                     | Zb   |
| Positive opening                             | With   |
| Positive opening minimum force               | 42.5 N   |
| Minimum force for tripping                   | 8.5 N  |
| Minimum actuation speed                      | 0.01 m/min   |
| Maximum actuation speed                      | 1.64 ft/s (0.5 m/s)  |
| [Ie] rated operational current               | 3 A at 50 V, AC-15 conforming to EN/IEC 60947-5-1 appendix A<br>0.22 A at 50 V, DC-13 conforming to EN/IEC 60947-5-1 appendix A  |
| [Ithe] conventional enclosed thermal current | 4 A  |
| [Ui] rated insulation voltage                | 60 V degree of pollution 3 conforming to IEC 60947-5-1   |
| Resistance across terminals                  | <= 25 MOhm conforming to IEC 60255-7 category 3  |
| [Uimp] rated impulse withstand voltage       | 0.8 kV conforming to IEC 60947-1<br>0.8 kV conforming to IEC 60664   |
| Short circuit protection                     | 4 A by gG cartridge fuse   |
| Electrical durability                        | 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<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 |
| Mechanical durability                        | 10000000 cycles  |
| Width  | 1.18 in (30 mm)  |
| Height                                       | 1.97 in (50 mm)  |

|                |                      |
|----------------|----------------------|
| Depth          | 0.63 in (16 mm)      |
| Product weight | 0.22 lb(US) (0.1 kg) |

## Environment

|  |  |
|--|--|
| Shock resistance                           | 25 gn (duration = 18 ms) conforming to IEC 60068-2-27  |
| Vibration resistance                       | 5 gn (f = 10...500 Hz) conforming to IEC 60068-2-6   |
| IP degree of protection                    | IP68 conforming to IEC 60529<br>IP67 conforming to IEC 60529<br>IP66 conforming to IEC 60529 |
| IK degree of protection                    | IK06 conforming to EN 50102  |
| Class of protection against electric shock | Conforming to NF C 20-030<br>Conforming to IEC 61140   |
| 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                  | 003389110221398   |
| 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     | ID  |

## Offer Sustainability

|                                  |   |
|----------------------------------|---|
| Sustainable offer status         | 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>                              |
| Product end of life instructions | Available <a href="#">Download End Of Life Manual</a>                                 |

## Contractual warranty

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

# Mouser Electronics

Authorized Distributor

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