

# XC1AC151

Limit switch, Limit switches XC Standard, XC1AC, end plunger, 2 NO, simultaneous



## Main

|                               |                                                                     |
|-------------------------------|---------------------------------------------------------------------|
| Range of Product              | OsiSense XC                                                         |
| Series name                   | Special format                                                      |
| Product or Component Type     | Limit switch                                                        |
| Product Specific Application  | Materials handling                                                  |
| Device short name             | XC1AC                                                               |
| Sensor design                 | -                                                                   |
| Body type                     | Fixed                                                               |
| Head type                     | Plunger head                                                        |
| Material                      | Metal                                                               |
| Fixing Mode                   | By the body                                                         |
| Movement of operating head    | Linear                                                              |
| Type of operator              | Spring return plunger metal                                         |
| Switch actuation              | On end                                                              |
| Type of approach              | Vertical approach, 1 direction                                      |
| Electrical connection         | Screw-clamp terminals 1 x 0.5...1 x 2.5 mm <sup>2</sup>             |
| Cable entry                   | 3 entries tapped for Pg 13.5 cable gland 0.35...0.47 in (9...12 mm) |
| Number of poles               | 2                                                                   |
| Contacts type and composition | 2 NO                                                                |
| Contact operation             | Slow-break, simultaneous                                            |
| Number of steps               | 1                                                                   |
| Positive opening              | Without                                                             |
| Minimum force for tripping    | 33 N                                                                |

## Complementary

|                                              |                                                                                                                                                    |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Contacts insulation form                     | Zb                                                                                                                                                 |
| Maximum actuation speed                      | 1.64 ft/s (0.5 m/s)                                                                                                                                |
| [Ithe] conventional enclosed thermal current | 10 A                                                                                                                                               |
| [Ui] rated insulation voltage                | 500 V ACIEC 60947-5-1<br>500 V ACNF C 20-040<br>600 V DCIEC 60947-5-1<br>600 V DCNF C 20-040<br>600 V ACCSA C22.2 No 14<br>600 V DCCSA C22.2 No 14 |
| Maximum resistance across terminals          | 8 mOhm                                                                                                                                             |
| Short-circuit protection                     | 10 A cartridge fuse gG                                                                                                                             |

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical durability         | 1000000 Cycles, AC-15 50/60 Hz, inductive, 110 V, 900 VA 60 cyc/mn 0.5 IEC 60947-5-1 appendix C<br>1000000 Cycles, AC-15 50/60 Hz, inductive, 230 V, 1900 VA 60 cyc/mn 0.5 IEC 60947-5-1 appendix C<br>1000000 Cycles, AC-15 50/60 Hz, inductive, 48 V, 450 VA 60 cyc/mn 0.5 IEC 60947-5-1 appendix C<br>1000000 Cycles, DC-13, inductive, 110 V, 100 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C<br>1000000 Cycles, DC-13, inductive, 230 V, 95 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C<br>1000000 Cycles, DC-13, inductive, 48 V, 100 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C<br>3000000 Cycles, AC-15 50/60 Hz, inductive, 110 V, 350 VA 60 cyc/mn 0.5 IEC 60947-5-1 appendix C<br>3000000 Cycles, AC-15 50/60 Hz, inductive, 230 V, 430 VA 60 cyc/mn 0.5 IEC 60947-5-1 appendix C<br>3000000 Cycles, AC-15 50/60 Hz, inductive, 48 V, 170 VA 60 cyc/mn 0.5 IEC 60947-5-1 appendix C<br>3000000 Cycles, DC-13, inductive, 110 V, 40 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C<br>3000000 Cycles, DC-13, inductive, 230 V, 33 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C<br>3000000 cycles, DC-13, inductive, 48 V, 35 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C |
| Mechanical durability         | 10000000 cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Width                         | 3.03 in (77 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Height                        | 4.45 in (113 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Depth                         | 1.73 in (44 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Net Weight                    | 1.17 lb(US) (0.53 kg)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Terminals description ISO n°1 | (13-14)NO<br>(23-24)NO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## Environment

|                                       |                                                                                 |
|---------------------------------------|---------------------------------------------------------------------------------|
| Shock resistance                      | 95 gn 11 ms IEC 60068-2-27                                                      |
| Vibration resistance                  | 9 gn 10...500 Hz)IEC 60068-2-6                                                  |
| IP degree of protection               | IP65 conforming to IEC 60529<br>IP65 conforming to NF C 20-010                  |
| Electrical shock protection class     | Class I IEC 61140<br>Class I NF C 20-030                                        |
| 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                                                                              |
| Operating position                    | Any position                                                                    |
| Product Certifications                | CSA                                                                             |
| Standards                             | IEC 60337-1<br>CSA C22.2 No 14<br>VDE 0660-200<br>IEC 60947-5-1<br>EN 60947-5-1 |

## Ordering and shipping details

|                   |                                    |
|-------------------|------------------------------------|
| Category          | 18407-WORLD SERVICE PARTS(SENSORS) |
| Discount Schedule | T                                  |
| GTIN              | 3389110315028                      |
| Returnability     | No                                 |
| Country of origin | ES                                 |

## Packing Units

|                              |                  |
|------------------------------|------------------|
| Unit Type of Package 1       | PCE              |
| Number of Units in Package 1 | 1                |
| Package 1 Height             | 2.17 in (5.5 cm) |
| Package 1 Width              | 3.54 in (9 cm)   |
| Package 1 Length             | 5.91 in (15 cm)  |
| Package 1 Weight             | 19.68 oz (558 g) |

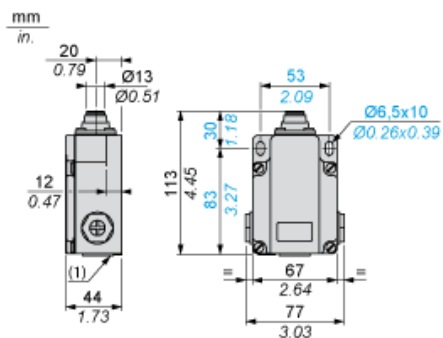
## Offer Sustainability

|                                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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> |
| Circularity Profile                        | No need of specific recycling operations                                                                                                                                                                                                                                                                                                                                          |
| For all Reach Rohs enquiries contact us at | <a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>                                                                                                                                                                                                                                                                                                    |

## Contractual warranty

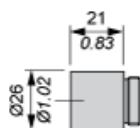
|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

## Dimensions



(1) 3 tapped entries for Pg 13.5 cable gland

## Adaptator Dimensions for ISO M20 x 1.5



---

## Wiring Diagram

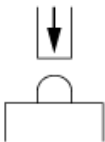
---

2-pole NO + NO Simultaneous, Slow Break



Characteristics of Actuation

Switch Actuation on End



Functionnal Diagram

