

# XCRB11

Limit switch, Limit switches XC Standard, XCR, metal spring return rod lever square rod 6 mm, 2X(1NC+NO)

## Main

|                                               |                                                          |
|-----------------------------------------------|----------------------------------------------------------|
| Range of Product                              | OsiSense XC                                              |
| Series name                                   | Special format                                           |
| Product or Component Type                     | Limit switch                                             |
| Product Specific Application                  | For hoisting and mechanical handling applications        |
| Device short name                             | XCR                                                      |
| Sensor design                                 | -                                                        |
| Body type                                     | Fixed                                                    |
| Head type                                     | Rotary head                                              |
| Material                                      | Metal                                                    |
| Fixing Mode                                   | By the body                                              |
| Movement of operating head                    | Rotary                                                   |
| Type of operator                              | Spring return rod lever metal square rod 6 mm            |
| Type of approach                              | Lateral approach, 2 directions                           |
| Electrical connection                         | Screw-clamp terminals 1 x 0.34...2 x 1.5 mm <sup>2</sup> |
| Number of poles                               | 4                                                        |
| Contacts type and composition                 | 2 x (1 NC + 1 NO)                                        |
| Contact operation                             | Snap action                                              |
| Contact block per direction [control circuit] | 1 per direction                                          |
| Positive opening                              | With                                                     |

## Complementary

|                                        |                                                                                                                               |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Body Material                          | Zinc alloy                                                                                                                    |
| Switch actuation                       | By any moving part                                                                                                            |
| Cable entry                            | 1 entry tapped for Pg 13.5 cable gland 0.4...0.5 in (9...12 mm) NF C 68-300                                                   |
| Contacts insulation form               | Zb                                                                                                                            |
| Number of steps                        | 1                                                                                                                             |
| Positive opening minimum torque        | 6.64 lbf.in (0.75 N.m)                                                                                                        |
| Minimum torque for tripping            | 3.98 lbf.in (0.45 N.m)                                                                                                        |
| Minimum actuation speed                | 0.01 m/min                                                                                                                    |
| Maximum actuation speed                | 4.9 ft/s (1.5 m/s)                                                                                                            |
| Maximum displacement angle             | 55 °<br>-55 °                                                                                                                 |
| Contact code designation               | A300, AC-15 (Ue = 240 V), Ie = 3 A IEC 60947-5-1 appendix A<br>Q300, DC-13 (Ue = 250 V), Ie = 0.27 A IEC 60947-5-1 appendix A |
| [Ui] rated insulation voltage          | 300 VUL 508<br>500 V 3)IEC 60947-1<br>500 V 3)VDE 0110<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                                                                                                        |

|                               |                                                                                                                                                                                                                                                                  |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical durability         | 5000000 Cycles, DC-13, inductive, 120 V, 4 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C<br>5000000 Cycles, DC-13, inductive, 24 V, 7 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C<br>5000000 cycles, DC-13, inductive, 48 V, 10 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C |
| Mechanical durability         | 10000000 cycles                                                                                                                                                                                                                                                  |
| Width                         | 3.3 in (85 mm)                                                                                                                                                                                                                                                   |
| Height                        | 3.7 in (95 mm)                                                                                                                                                                                                                                                   |
| Depth                         | 3.0 in (75 mm)                                                                                                                                                                                                                                                   |
| Net Weight                    | 2.45 lb(US) (1.11 kg)                                                                                                                                                                                                                                            |
| Terminals description ISO n°1 | (21-22)NC<br>(13-14)NO                                                                                                                                                                                                                                           |

## Environment

|                                       |                                                                                                |
|---------------------------------------|------------------------------------------------------------------------------------------------|
| Shock resistance                      | 68 gn IEC 60068-2-27                                                                           |
| Vibration resistance                  | 9 gn 10...500 Hz)IEC 60068-2-6                                                                 |
| IP degree of protection               | IP54 conforming to IEC 60529                                                                   |
| Overvoltage category                  | 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                                                                                             |
| Product Certifications                | CCC[RETURN]CSA                                                                                 |
| Standards                             | IEC 60204-1<br>NF C 79-130<br>IEC 60947-5-1<br>IEC 60947-5-1<br>IEC 60204-1<br>CSA C22.2 No 14 |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US1000T22449  |
| Discount Schedule | 000T          |
| GTIN              | 3389110652109 |
| Returnability     | No            |
| Country of origin | FR            |

## Packing Units

|                              |                          |
|------------------------------|--------------------------|
| Unit Type of Package 1       | PCE                      |
| Number of Units in Package 1 | 1                        |
| Package 1 Height             | 3.86 in (9.800 cm)       |
| Package 1 Width              | 4.02 in (10.200 cm)      |
| Package 1 Length             | 9.13 in (23.200 cm)      |
| Package 1 Weight             | 2.251 lb(US) (1.021 kg)  |
| Unit Type of Package 2       | S02                      |
| Number of Units in Package 2 | 5                        |
| Package 2 Height             | 5.91 in (15.000 cm)      |
| Package 2 Width              | 11.81 in (30.000 cm)     |
| Package 2 Length             | 15.75 in (40.000 cm)     |
| Package 2 Weight             | 11.927 lb(US) (5.410 kg) |

## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SCIP Number                | F2b5ee3e-b32f-45da-9209-410127ab09a3                                                                                                                                                                                                                                                                                                                                              |
| 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> |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)                                                                                                                                                                                                                                                                                                                        |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                                                                                                               |
| RoHS exemption information |  Yes                                                                                                                                                                                                                                                                                             |
| Circularity Profile        | No need of specific recycling operations                                                                                                                                                                                                                                                                                                                                          |

## Contractual warranty

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