

# XCKVR54D2H29

Limit switch, Limit switches XC Standard,  
XCKVR, reverse head stay put crossed rods,  
2x(2 NC), slow, M20

## 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             | XCKMR                                                                                  |
| Body type                     | Fixed                                                                                  |
| Head type                     | Reversed rotary head                                                                   |
| Material                      | Plastic                                                                                |
| Body Material                 | (PBT+PC)-GF30 FR                                                                       |
| Head material                 | (PBT+PC)-GF30 FR                                                                       |
| Fixing Mode                   | By the body                                                                            |
| Movement of operating head    | Rotary                                                                                 |
| Type of operator              | Stay put crossed rods lever metal square rod 6 mm, L = 200 mm                          |
| Type of approach              | Lateral approach, 2 directions                                                         |
| Cable entry                   | 1 entry tapped and 2 breakout holes for M20 x 1.5 cable gland 0.3...0.5 in (7...13 mm) |
| Number of poles               | 4                                                                                      |
| Contacts type and composition | 2 x (2 NC)                                                                             |
| Contact operation             | Slow-break, staggered                                                                  |

## Complementary

|                                               |                                                                                                                                          |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Switch actuation                              | By any moving part                                                                                                                       |
| Electrical connection                         | Screw-clamp terminals 1 x 0.5...2 x 2.5 mm <sup>2</sup>                                                                                  |
| Contacts insulation form                      | Zb                                                                                                                                       |
| Number of steps                               | 5 electrical positions                                                                                                                   |
| Contact block per direction [control circuit] | 1 per direction                                                                                                                          |
| Positive opening                              | With                                                                                                                                     |
| Positive opening minimum torque               | 6.64 lbf.in (0.75 N.m)                                                                                                                   |
| Minimum torque for tripping                   | 4.4 lbf.in (0.5 N.m)                                                                                                                     |
| Minimum actuation speed                       | 6 m/min                                                                                                                                  |
| Maximum actuation speed                       | 4.9 ft/s (1.5 m/s) actuation point on the rod between 65 and 95 mm                                                                       |
| Maximum displacement angle                    | -180 °<br>180 °                                                                                                                          |
| Contact code designation                      | A300, AC-15 (Ue = 240 V), Ie = 3 A 10 A EN/IEC 60947-5-1 appendix A<br>Q150, DC-13 (Ue = 125 V), Ie = 0.55 A EN/IEC 60947-5-1 appendix A |
| [Ui] rated insulation voltage                 | 300 VUL 508<br>300 VCSA C22.2 No 14<br>500 V 3)EN/IEC 60947-1                                                                            |
| Maximum resistance across terminals           | 25 MOhm IEC 60255-7 category 3                                                                                                           |
| [Uimp] rated impulse withstand voltage        | 6 kV IEC 60664<br>6 kV EN/IEC 60947-1                                                                                                    |
| Short-circuit protection                      | 10 A cartridge fuse gG                                                                                                                   |
| Mechanical durability                         | 1000000 cycles                                                                                                                           |
| Width                                         | 7.9 in (200 mm)                                                                                                                          |

|                               |                        |
|-------------------------------|------------------------|
| Height                        | 7.9 in (200 mm)        |
| Depth                         | 2.6 in (66 mm)         |
| Product Weight                | 0.71 lb(US) (0.32 kg)  |
| Terminals description ISO n°1 | (21-22)NC<br>(11-12)NC |

## Environment

|                                       |                                               |
|---------------------------------------|-----------------------------------------------|
| Shock resistance                      | 50 gn EN/IEC 60068-2-27                       |
| Vibration resistance                  | 25 gn 10...500 Hz)EN/IEC 60068-2-6            |
| IP degree of protection               | IP65 conforming to EN/IEC 60529               |
| IK degree of protection               | IK04 conforming to EN 50102                   |
| Electrical shock protection class     | Class II IEC 60536                            |
| 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]UL[RETURN]CE[RETURN]CSA            |
| Standards                             | EN/IEC 60947-5-1<br>UL 508<br>CSA C22.2 No 14 |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US1000T22449  |
| Discount Schedule | 000T          |
| GTIN              | 3389119077507 |
| Returnability     | No            |
| Country of origin | ID            |

## Packing Units

|                              |                         |
|------------------------------|-------------------------|
| Unit Type of Package 1       | PCE                     |
| Number of Units in Package 1 | 1                       |
| Package 1 Height             | 3.54 in (9.0 cm)        |
| Package 1 Width              | 3.07 in (7.8 cm)        |
| Package 1 Length             | 7.68 in (19.5 cm)       |
| Package 1 Weight             | 13.6 oz (385.0 g)       |
| Unit Type of Package 2       | S02                     |
| Number of Units in Package 2 | 6                       |
| Package 2 Height             | 5.91 in (15.0 cm)       |
| Package 2 Width              | 11.81 in (30.0 cm)      |
| Package 2 Length             | 15.75 in (40.0 cm)      |
| Package 2 Weight             | 5.944 lb(US) (2.696 kg) |
| Unit Type of Package 3       | PAL                     |
| Number of Units in Package 3 | 96                      |
| Package 3 Height             | 23.62 in (60.0 cm)      |
| Package 3 Width              | 31.50 in (80.0 cm)      |
| Package 3 Length             | 37.80 in (96.0 cm)      |
| Package 3 Weight             | 82.01 lb(US) (37.2 kg)  |

## 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> |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)                                                                                                                                                                                                                                                                                                                        |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                                                                                                               |
| RoHS exemption information |  Yes                                                                                                                                                                                                                                                                                           |

## Contractual warranty

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