

# XCKMR54D1H29

limit switch XCKMR - stay put crossed rods lever  
6mm - 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                     | Rotary head                                                                 |
| Material                      | Metal                                                                       |
| Body material                 | Zamak                                                                       |
| Head material                 | Zamak                                                                       |
| 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                   | 3 entries tapped for M20 x 1.5 cable gland, cable outer diameter: 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, clamping capacity: 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        | 0.75 N.m                                                                                                                                                                     |
| Minimum torque for tripping            | 0.5 N.m                                                                                                                                                                      |
| Minimum actuation speed                | 6 m/min                                                                                                                                                                      |
| Maximum actuation speed                | 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, Ithe = 10 A conforming to EN/IEC 60947-5-1 appendix A<br>Q150, DC-13 (Ue = 125 V), Ie = 0.55 A conforming to EN/IEC 60947-5-1 appendix A |
| [Ui] rated insulation voltage          | 300 V conforming to UL 508<br>300 V conforming to CSA C22.2 No 14<br>500 V (pollution degree 3) conforming to EN/IEC 60947-1                                                 |
| Maximum resistance across terminals    | 25 MOhm conforming to IEC 60255-7 category 3                                                                                                                                 |
| [Uimp] rated impulse withstand voltage | IEC 60664 6 kV<br>EN/IEC 60947-1 6 kV                                                                                                                                        |
| Short-circuit protection               | 10 A cartridge fuse, type gG                                                                                                                                                 |
| Mechanical durability                  | 2000000 cycles                                                                                                                                                               |
| Width                                  | 200 mm                                                                                                                                                                       |
| Height                                 | 118 mm                                                                                                                                                                       |
| Depth                                  | 59 mm                                                                                                                                                                        |
| Net weight                             | 0.55 kg                                                                                                                                                                      |
| Terminals description ISO n°1          | (11-12)NC<br>(21-22)NC                                                                                                                                                       |

## Environment

|                                       |                                                       |
|---------------------------------------|-------------------------------------------------------|
| Shock resistance                      | 50 gn conforming to EN/IEC 60068-2-27                 |
| Vibration resistance                  | 25 gn (f= 10...500 Hz) conforming to EN/IEC 60068-2-6 |
| IP degree of protection               | IP66 conforming to EN/IEC 60529                       |
| IK degree of protection               | IK07 conforming to EN 50102                           |
| Electrical shock protection class     | Class I conforming to IEC 60536                       |
| Ambient air temperature for operation | -25...70 °C                                           |
| Ambient air temperature for storage   | -40...85 °C                                           |
| Protective treatment                  | TC                                                    |
| Product certifications                | CSA<br>UL<br>CCC<br>CE                                |
| Standards                             | EN/IEC 60947-5-1<br>CSA C22.2 No 14<br>UL 508         |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Weight             | 723 g    |
| Package 1 Height             | 9.5 cm   |
| Package 1 width              | 8 cm     |
| Package 1 Length             | 20 cm    |
| Unit Type of Package 2       | S02      |
| Number of Units in Package 2 | 6        |
| Package 2 Weight             | 4.979 kg |
| Package 2 Height             | 15 cm    |
| Package 2 width              | 30 cm    |
| Package 2 Length             | 40 cm    |
| Unit Type of Package 3       | P06      |

|                              |           |
|------------------------------|-----------|
| Number of Units in Package 3 | 96        |
| Package 3 Weight             | 87.492 kg |
| Package 3 Height             | 77 cm     |
| Package 3 width              | 80 cm     |
| Package 3 Length             | 60 cm     |

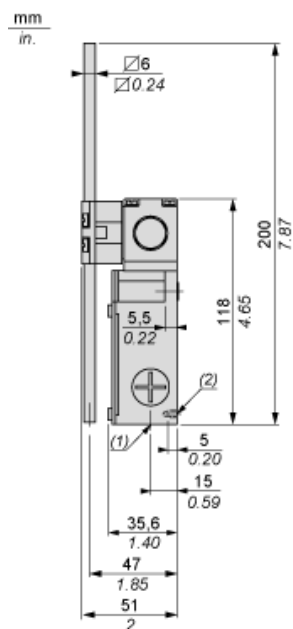
### Offer Sustainability

|                            |                                                                                                   |
|----------------------------|---------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                             |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                 |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a> |
| Mercury free               | Yes                                                                                               |
| RoHS exemption information | <a href="#">Yes</a>                                                                               |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                     |

### Contractual warranty

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

## Dimensions



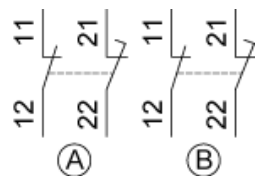
- (1) 3 tapped entries ISO M20x1.5  
(2) 2 centring holes  $\varnothing 3.9 \pm 0.2$ , for cover fixing holes alignment.

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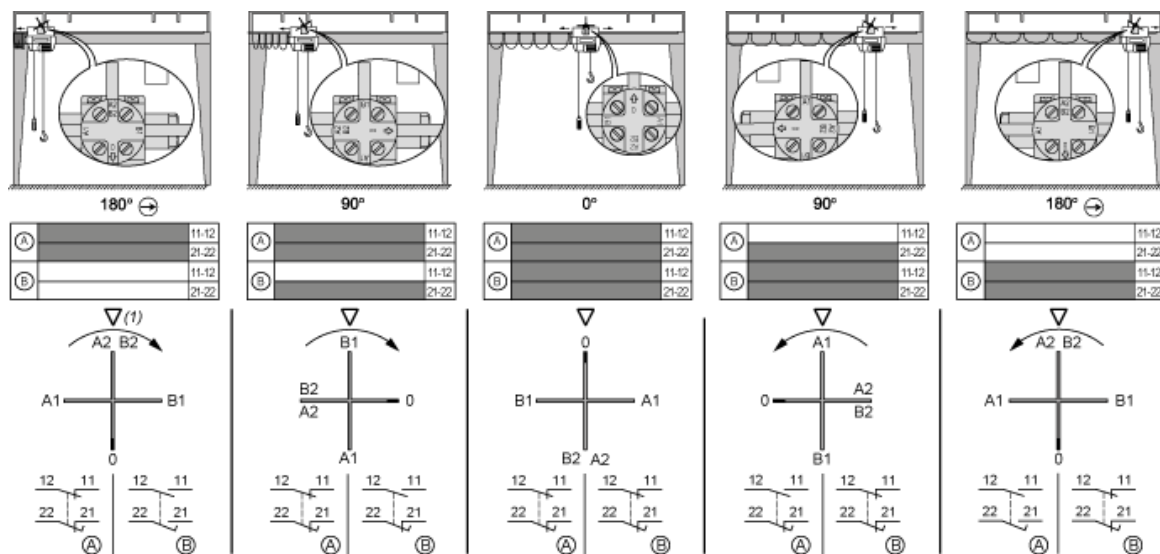
## Wiring Diagram

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2 x 2-pole NC+NC Break Before Make, Slow Break (Non Interchangeable Contacts)



## Functionnal Diagram



(1) Triangle symbol marked on top of head.