

# XCKVR54D1H29

Limit switch, Limit switches XC Standard, XCKVR, stay put crossed rods lever 6 mm, 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                      | 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, 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 (U <sub>e</sub> = 240 V), I <sub>e</sub> = 3 A, I <sub>the</sub> = 10 A conforming to EN/IEC 60947-5-1 appendix A<br>Q150, DC-13 (U <sub>e</sub> = 125 V), I <sub>e</sub> = 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        | 6 KV IEC 60664<br>6 kV EN/IEC 60947-1  |
| Short-circuit protection                      | 10 A cartridge fuse, type gG   |
| Mechanical durability                         | 1000000 cycles   |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

|                               |                        |
|-------------------------------|------------------------|
| Width                         | 200 mm                 |
| Height                        | 200 mm                 |
| Depth                         | 57 mm                  |
| Net weight                    | 0.32 kg                |
| Terminals description ISO n°1 | (21-22)NC<br>(11-12)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               | IP65 conforming to EN/IEC 60529                       |
| IK degree of protection               | IK04 conforming to EN 50102                           |
| Electrical shock protection class     | Class II conforming to IEC 60536                      |
| Ambient air temperature for operation | -25...70 °C   |
| Ambient air temperature for storage   | -40...70 °C   |
| Protective treatment                  | TC  |
| Product certifications                | UL<br>CSA<br>CCC<br>CE                                |
| Standards                             | UL 508<br>CSA C22.2 No 14<br>EN/IEC 60947-5-1         |

## Packing Units

|                  |          |
|------------------|----------|
| Package 1 Weight | 0.380 kg |
| Package 1 Height | 0.900 dm |
| Package 1 width  | 0.770 dm |
| Package 1 Length | 1.950 dm |

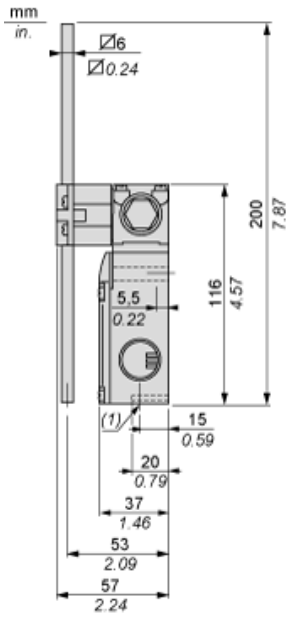
## Offer Sustainability

|                            |  |
|----------------------------|--|
| REACH Regulation           | <a href="#">REACH Declaration</a>  |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a> |
| Mercury free               | Yes  |
| RoHS exemption information | <a href="#">Yes</a>  |

## Contractual warranty

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

Dimensions



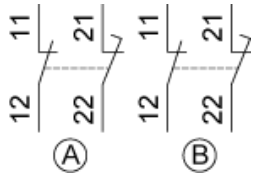
(1) 1 tapped entry ISO M20x1.5

---

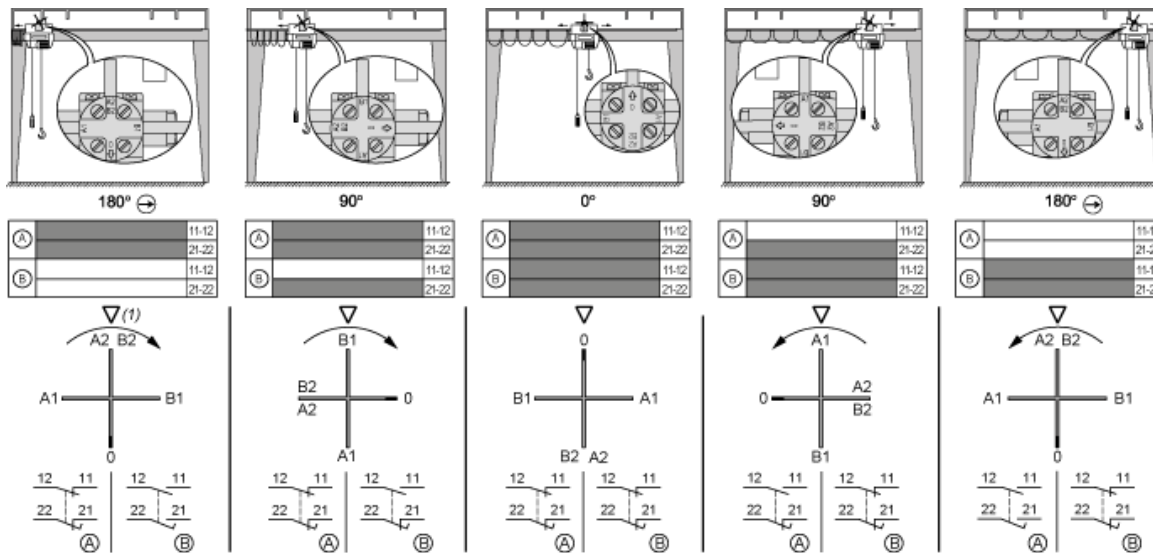
## Wiring Diagram

---

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



Functionnal Diagram



(1) Triangle symbol marked on top of head.