# Product data sheet
## Characteristics

# XCKMR44D1H29
limit switch XCKMR - stay put crossed rods lever 6mm - 2x(NC+NO) - 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 (1 NC + 1 NO) |
| Contact operation | Slow-break, break before make |

## Complementary

| | |
|---|---|
| Switch actuation | By any moving part |
| Electrical connection | Screw-clamp terminals, clamping capacity: 1 x 0.5...2 x 2.5 mm² |
| Contacts insulation form | Zb |
| Number of steps | 4 electrical positions |
| Contact block per direction [control circuit] | 2 per direction |
| Positive opening | Without |
| 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 ° |

Disclaimer: 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

| | |
|---|---|
| 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 CSA C22.2 No 14<br>300 V conforming to UL 508<br>500 V degree of pollution 3 conforming to EN/IEC 60947-1 |
| Resistance across terminals | <= 25 MOhm conforming to IEC 60255-7 category 3 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to EN/IEC 60947-1<br>6 kV conforming to IEC 60664 |
| Short-circuit protection | 10 A by gG cartridge fuse |
| Mechanical durability | 2000000 cycles |
| Width | 200 mm |
| Height | 118 mm |
| Depth | 59 mm |
| Product weight | 0.55 kg |
| Terminals description ISO n°1 | (13-14)NO<br>(21-22)NC |

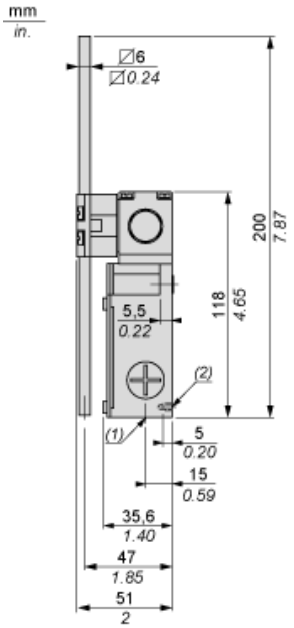
## Environment

| | |
|---|---|
| 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 | CCC<br>CE<br>CSA<br>UL |
| Standards | EN/IEC 60947-5-1<br>UL 508<br>CSA C22.2 No 14 |

## Contractual warranty

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

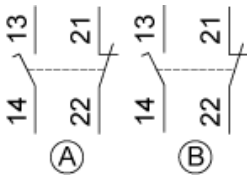
## Dimensions



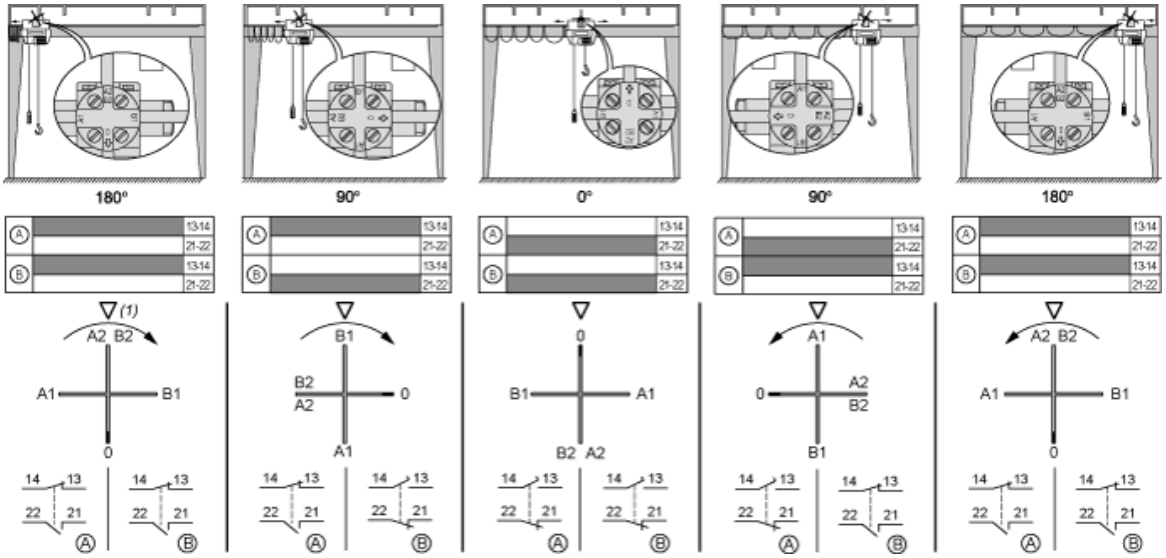

(1) 3 tapped entries ISO M20x1.5
(2) 2 centring holes Ø 3.9 ± 0.2, for cover fixing holes alignment.

## Wiring Diagram

### 2 x 2-pole NC+NO Break Before Make, Slow Break



## Functionnal Diagram




(1) Triangle symbol marked on top of head.