

Limit switch, Limit switches XC Standard,  
XCKMR, 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                      | 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<br>appendix A<br>Q150, DC-13 (Ue = 125 V), Ie = 0.55 A conforming to EN/IEC 60947-5-1<br>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 MΩ conforming to IEC 60255-7 category 3   |
| [Uiimp] rated impulse withstand voltage       | 6 kV conforming to IEC 60664<br>6 kV conforming to EN/IEC 60947-1  |
| 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 | -40...70 °C   |
| Ambient air temperature for storage   | -40...85 °C   |
| Protective treatment                  | TC  |
| Product certifications                | CCC[RETURN]CSA[RETURN]UL[RETURN]CE                    |
| Standards                             | UL 508<br>EN/IEC 60947-5-1<br>CSA C22.2 No 14         |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Height             | 8.0 cm  |
| Package 1 Width              | 20.0 cm |
| Package 1 Length             | 9.0 cm  |
| Package 1 Weight             | 0.75 kg |

## Offer Sustainability

|  |   |
|--|---|
| California proposition 65                  | WARNING: This product can expose you to chemicals including: Diisobutyl 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> |
| For all Reach Rohs enquiries contact us at | <a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>  |