

Product data sheet

Characteristics

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 0.28...0.51 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 ² |
| 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 | 4.43 lbf.in (0.5 N.m) |
| Minimum actuation speed | 6 m/min |
| Maximum actuation speed | 4.92 ft/s (1.5 m/s) actuation point on the rod between 65 and 95 mm |
| Maximum displacement angle | -180 ° 180 ° |
| Contact code designation | A300, AC-15 (Ue = 240 V), Ie = 3 A 10 A EN/IEC 60947-5-1 appendix A Q150, DC-13 (Ue = 125 V), Ie = 0.55 A EN/IEC 60947-5-1 appendix A |
| [Ui] rated insulation voltage | 300 VUL 508 300 VCSA C22.2 No 14 500 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 6 KV EN/IEC 60947-1 |
| Short-circuit protection | 10 A cartridge fuse gG |
| Mechanical durability | 1000000 cycles |
| Width | 7.87 in (200 mm) |

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.

| | |
|-------------------------------|------------------------|
| Height | 7.87 in (200 mm) |
| Depth | 2.24 in (57 mm) |
| Product Weight | 0.71 lb(US) (0.32 kg) |
| Terminals description ISO n°1 | (21-22)NC (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 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 | UL CSA CCC CE |
| Standards | UL 508 CSA C22.2 No 14 EN/IEC 60947-5-1 |

Ordering and shipping details

| | |
|-------------------|----------------------------------|
| Category | 22449-LIMIT SWITCHES,ACCESSORIES |
| Discount Schedule | T |
| GTIN | 3389119077491 |
| 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 | 3.03 in (7.7 cm) |
| Package 1 Length | 7.68 in (19.5 cm) |
| Package 1 Weight | 13.40 oz (380.0 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 | 6.36 lb(US) (2.883 kg) |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 96 |
| Package 3 Height | 31.50 in (80.0 cm) |
| Package 3 Width | 31.50 in (80.0 cm) |
| Package 3 Length | 23.62 in (60.0 cm) |
| Package 3 Weight | 115.21 lb(US) (52.26 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 www.P65Warnings.ca.gov

REACH Regulation

 [REACH Declaration](#)

EU RoHS Directive

Pro-active compliance (Product out of EU RoHS legal scope)  [EU RoHS Declaration](#)

Mercury free

Yes

RoHS exemption information

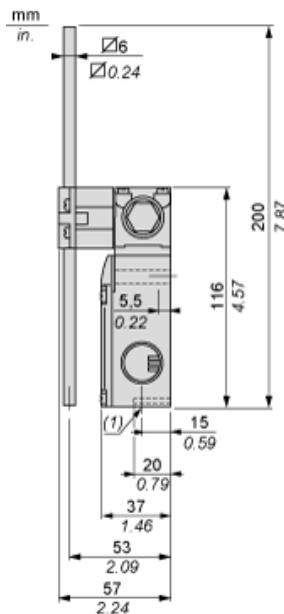
 [Yes](#)

Contractual warranty

Warranty

18 months

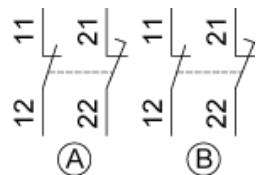
Dimensions



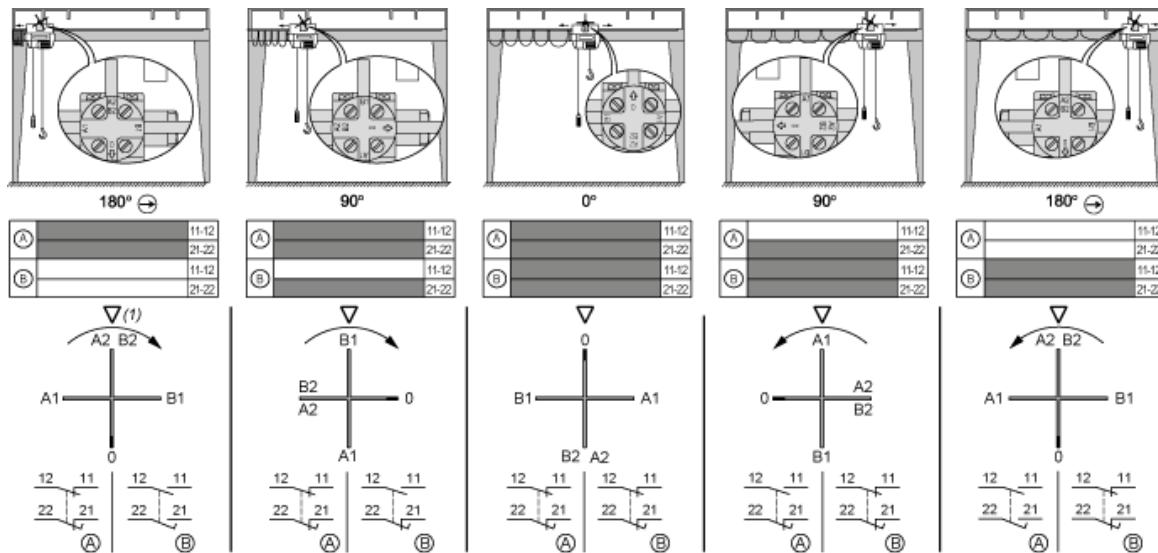
(1) 1 tapped entry ISO M20x1.5

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.