

# XCKJ50559H29

limit switch XCKJ - thermoplastic round rod lever 6 mm - 1NO+1NC - slow - M20



## Main

|                               |                                                                              |
|-------------------------------|------------------------------------------------------------------------------|
| Range of product              | OsiSense XC                                                                  |
| Series name                   | Standard format                                                              |
| Product or component type     | Limit switch                                                                 |
| Device short name             | XCKJ                                                                         |
| Sensor design                 | Form D conforming to CENELEC EN 50041                                        |
| Body type                     | Fixed                                                                        |
| Head type                     | Rotary head                                                                  |
| Material                      | Metal                                                                        |
| Fixing mode                   | By the body                                                                  |
| Movement of operating head    | Rotary                                                                       |
| Type of operator              | Thermoplastic spring return round rod lever (round rod 6 mm, L = 200 mm)     |
| Type of approach              | 1 or 2 programmable direction lateral approach                               |
| Electrical connection         | Screw-clamp terminals , clamping capacity: 1 x 0.5...2 x 2.5 mm <sup>2</sup> |
| Cable entry                   | 1 entry tapped for M20 x 1.5 cable gland , cable outer diameter: 7...13 mm   |
| Number of poles               | 2                                                                            |
| Contacts type and composition | 1 NO + 1 NC                                                                  |
| Contacts operation            | Slow-break, break before make                                                |
| Positive opening              | Without                                                                      |

## Complementary

|                                              |                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Body material                                | Zamak                                                                                                                                                                                                                                                                                                                           |
| Head material                                | Zamak                                                                                                                                                                                                                                                                                                                           |
| Switch actuation                             | By any moving part                                                                                                                                                                                                                                                                                                              |
| Contacts insulation form                     | Zb                                                                                                                                                                                                                                                                                                                              |
| Number of steps                              | 1                                                                                                                                                                                                                                                                                                                               |
| Minimum torque for tripping                  | 0.25 N.m                                                                                                                                                                                                                                                                                                                        |
| Minimum actuation speed                      | 6 m/min                                                                                                                                                                                                                                                                                                                         |
| Maximum actuation speed                      | 1.5 m/s                                                                                                                                                                                                                                                                                                                         |
| Contact code designation                     | A300 , AC-15 (Ue = 240 V , Ie = 3 A) conforming to EN/IEC 60947-5-1 appendix A<br>Q300 , DC-13 (Ue = 250 V , Ie = 0.27 A) conforming to EN/IEC 60947-5-1 appendix A                                                                                                                                                             |
| [Ithe] conventional enclosed thermal current | 10 A , AC                                                                                                                                                                                                                                                                                                                       |
| [Ui] rated insulation voltage                | 300 V conforming to UL 508<br>300 V conforming to CSA C22-2 No 14<br>500 V degree of pollution 3 conforming to IEC 60947-1                                                                                                                                                                                                      |
| Resistance across terminals                  | ≤ 25 mOhm conforming to IEC 60255-7 category 3                                                                                                                                                                                                                                                                                  |
| [Uimp] rated impulse withstand voltage       | 6 kV conforming to IEC 60947-1<br>6 kV conforming to IEC 60664                                                                                                                                                                                                                                                                  |
| Short circuit protection                     | 10 A by gG cartridge fuse                                                                                                                                                                                                                                                                                                       |
| Electrical durability                        | 5000000 cycles , DC-13 inductive load type, 48 V , 9 W , load factor: 0.5 , operating rate: ≤ 60 cyc/mn<br>5000000 cycles , DC-13 inductive load type, 120 V , 7 W , load factor: 0.5 , operating rate: ≤ 60 cyc/mn<br>5000000 cycles , DC-13 inductive load type, 24 V , 13 W , load factor: 0.5 , operating rate: ≤ 60 cyc/mn |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products of the Schneider Electric group. It 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.

|                       |                 |
|-----------------------|-----------------|
| Mechanical durability | 30000000 cycles |
| Width                 | 40 mm           |
| Height                | 77 mm           |
| Depth                 | 44 mm           |
| Product weight        | 0.485 kg        |

## Environment

|                                            |                                                                                                             |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Shock resistance                           | 50 gn (duration = 11 ms) conforming to IEC 60068-2-27                                                       |
| Vibration resistance                       | 25 gn (f = 10...500 Hz) conforming to IEC 60068-2-6                                                         |
| IP degree of protection                    | IP66 conforming to IEC 60529                                                                                |
| IK degree of protection                    | IK07 conforming to EN 50102                                                                                 |
| Class of protection against electric shock | Class I conforming to IEC 61140<br>Class I conforming to NF C 20-030                                        |
| Ambient air temperature for operation      | -25...70 °C                                                                                                 |
| Ambient air temperature for storage        | -40...70 °C                                                                                                 |
| Protective treatment                       | TC                                                                                                          |
| Product certifications                     | CCC<br>CSA<br>UL                                                                                            |
| Standards                                  | CENELEC EN 50041<br>CSA C22-2 No 14<br>EN 60204-1<br>EN 60947-5-1<br>IEC 60204-1<br>IEC 60947-5-1<br>UL 508 |
| RoHS EUR conformity date                   | 4Q2009                                                                                                      |
| RoHS EUR status                            | Will be compliant                                                                                           |