

# XCKD39H0P16EX

limit switch XCK-D - plunger - 2 NC + 1 NO -  
ATEX

## Main

|                               |                                                           |
|-------------------------------|-----------------------------------------------------------|
| Range of product              | Osiswitch ATEX D                                          |
| Series name                   | Universal                                                 |
| Product or component type     | Limit switch                                              |
| Device short name             | XCKD                                                      |
| Sensor design                 | Compact                                                   |
| Body type                     | Fixed                                                     |
| Head type                     | M18 plunger head                                          |
| Material                      | Metal                                                     |
| Fixing mode                   | By the head                                               |
| Type of operator              | Spring return plunger metal                               |
| Switch actuation              | On end                                                    |
| Type of approach              | Vertical approach 1 direction                             |
| Electrical connection         | Screw-clamp terminals 1 x 0.34...2 x 0.75 mm <sup>2</sup> |
| Number of poles               | 3                                                         |
| Contacts type and composition | 2 NC + 1 NO                                               |
| Contacts insulation form      | Zb                                                        |
| Contacts operation            | Snap action                                               |
| Number of steps               | 1                                                         |
| Positive opening              | With                                                      |
| Minimum force for tripping    | 15 N                                                      |
| Maximum actuation speed       | 0.5 m/s                                                   |
| IP degree of protection       | IP66 IEC 60529<br>IP67 IEC 60529                          |

## Complementary

|                                              |                                                                                                                                                                                  |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Body material                                | Zamak                                                                                                                                                                            |
| Head material                                | Zamak                                                                                                                                                                            |
| Movement of operating head                   | Linear                                                                                                                                                                           |
| Cable entry                                  | 1 entry tapped for M16 x 1.5 cable gland 4...8 mm CENELEC EN 50047                                                                                                               |
| Positive opening minimum force               | 45 N                                                                                                                                                                             |
| Minimum actuation speed                      | 0.01 m/min                                                                                                                                                                       |
| Contact code designation                     | B300 AC-15 240 V 1.5 A IEC 60947-5-1 appendix A<br>B300 AC-15 240 V 1.5 A EN 60947-5-1<br>R300 DC-13 250 V 0.1 A IEC 60947-5-1 appendix A<br>R300 DC-13 250 V 0.1 A EN 60947-5-1 |
| [Ithe] conventional enclosed thermal current | 6 A AC                                                                                                                                                                           |
| [Ui] rated insulation voltage                | 300 V UL 508<br>300 V CSA C22-2 No 14<br>400 V 3 IEC 60947-1                                                                                                                     |
| Resistance across terminals                  | ≤ 25 mOhm IEC 60255-7 category 3                                                                                                                                                 |
| [Uimp] rated impulse withstand voltage       | 4 kV IEC 60947-1<br>4 kV IEC 60664                                                                                                                                               |
| Short circuit protection                     | 6 A cartridge fuse gG                                                                                                                                                            |

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.

|                       |                                                                                                                                                                                                                                                                       |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical durability | 5000000 cycles DC-13 inductive 120 V 2 W ≤ 3600 cyc/h 0.5 DC IEC 60947-5-1 appendix C<br>5000000 cycles DC-13 inductive 48 V 3 W ≤ 3600 cyc/h 0.5 DC IEC 60947-5-1 appendix C<br>5000000 cycles DC-13 inductive 24 V 4 W ≤ 3600 cyc/h 0.5 DC IEC 60947-5-1 appendix C |
| Mechanical durability | 10000000 cycles                                                                                                                                                                                                                                                       |
| Marking               | II2 D-Ex tD A21 IP66/67 T85°C                                                                                                                                                                                                                                         |
| Width                 | 31 mm                                                                                                                                                                                                                                                                 |
| Height                | 65 mm                                                                                                                                                                                                                                                                 |
| Depth                 | 30 mm                                                                                                                                                                                                                                                                 |

## Environment

|                                            |                                                                                  |
|--------------------------------------------|----------------------------------------------------------------------------------|
| Shock resistance                           | 50 gn 11 ms IEC 60068-2-27                                                       |
| Vibration resistance                       | 25 gn 10...500 Hz IEC 60068-2-6                                                  |
| Class of protection against electric shock | Class I IEC 61140<br>Class I NF C 20-030                                         |
| Ambient air temperature for operation      | -20...60 °C                                                                      |
| Protective treatment                       | TC                                                                               |
| Dust zone                                  | Zone 21 - 22                                                                     |
| Product certifications                     | INERIS 04ATEX0014X                                                               |
| Standards                                  | Directive ATEX 94/9/EC<br>EN 50014<br>EN 50281-1-1<br>IEC 61241-0<br>IEC 61241-1 |
| RoHS EUR conformity date                   | 3Q2009                                                                           |
| RoHS EUR status                            | Will be compliant                                                                |