



## Main

|                                               |                                                                                                                                                   |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product                              | OsiSense ATEX D                                                                                                                                   |
| Series name                                   | Standard 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                                                                                                                                             |
| Fixing mode                                   | By the body                                                                                                                                       |
| Movement of operating head                    | Rotary                                                                                                                                            |
| Type of operator                              | Metal stay put crossed rods lever, square rod 6 mm, L = 200 mm                                                                                    |
| Switch actuation                              | By any moving part                                                                                                                                |
| Type of approach                              | Lateral approach, 2 directions                                                                                                                    |
| Electrical connection                         | Screw-clamp terminals, 1 x 0.34...2 x 1.5 mm <sup>2</sup>                                                                                         |
| Cable entry number                            | 2 tapped entry (M20 x 1.5) cable gland<br>1 tapped entry (M20 x 1.5) for cable gland (included), cable outer diameter: 0.28...0.51 in (7...13 mm) |
| Number of poles                               | 4                                                                                                                                                 |
| Contacts type and composition                 | 2 x (2 NC)                                                                                                                                        |
| Contacts insulation form                      | Zb                                                                                                                                                |
| Contact operation                             | Slow-break, staggered                                                                                                                             |
| Number of steps                               | 2                                                                                                                                                 |
| Contact block per direction [control circuit] | 1 per direction                                                                                                                                   |
| Positive opening                              | With                                                                                                                                              |
| Minimum torque for tripping                   | 4.42 lbf.in (0.5 N.m)                                                                                                                             |
| Maximum actuation speed                       | 4.92 ft/s (1.5 m/s)                                                                                                                               |
| IP degree of protection                       | IP66 conforming to IEC 60529                                                                                                                      |

## Complementary

|                                        |                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Minimum actuation speed                | 6 m/min                                                                                                                                                                                                                                                                                                                    |
| Maximum displacement angle             | 180 °<br>-180 °                                                                                                                                                                                                                                                                                                            |
| Contact code designation               | A300, AC-15 (240 V, I <sub>e</sub> = 3 A) conforming to EN 60947-5-1<br>A300, AC-15 (240 V, I <sub>e</sub> = 3 A) conforming to IEC 60947-5-1 appendix A<br>Q150, DC-13 (125 V, I <sub>e</sub> = 0.55 A) conforming to EN 60947-5-1<br>Q150, DC-13 (125 V, I <sub>e</sub> = 0.55 A) conforming to IEC 60947-5-1 appendix A |
| [Ui] rated insulation voltage          | 500 V conforming to NF C 20-040 group C<br>500 V, pollution degree: 3 conforming to IEC 60947-1<br>500 V, pollution degree: 3 conforming to VDE 0110<br>300 V conforming to UL 508                                                                                                                                         |
| Resistance across terminals            | <= 25 MOhm conforming to IEC 60255-7 category 3<br><= 25 MOhm conforming to NF C 93-050 method A                                                                                                                                                                                                                           |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to IEC 60664<br>6 kV conforming to IEC 60947-1                                                                                                                                                                                                                                                             |
| Short-circuit protection               | 10 A cartridge fuse, type gG                                                                                                                                                                                                                                                                                               |
| Mechanical durability                  | 2000000 cycles                                                                                                                                                                                                                                                                                                             |
| Marking                                | II2 D-Ex tb IIIC T85°C Db IP66/67                                                                                                                                                                                                                                                                                          |

|        |                  |
|--------|------------------|
| Width  | 4.65 in (118 mm) |
| Height | 3.03 in (77 mm)  |
| Depth  | 2.32 in (59 mm)  |

## Environment

|                                       |                                                                      |
|---------------------------------------|----------------------------------------------------------------------|
| shock resistance                      | 50 gn conforming to IEC 60068-2-27                                   |
| vibration resistance                  | 25 gn 10...500 Hz IEC 60068-2-6                                      |
| electrical shock protection class     | Class I conforming to IEC 60536<br>Class I conforming to NF C 20-030 |
| ambient air temperature for operation | -4...140 °F (-20...60 °C)                                            |
| protective treatment                  | TC                                                                   |
| dust zone                             | Zone 21 - 22                                                         |
| product certifications                | INERIS 04ATEX0014X<br>IEC-Ex IEC 17.0020X                            |
| standards                             | EN/IEC 60079-0<br>EN/IEC 60079-31                                    |
| directives                            | 2014/34/EU - ATEX directive                                          |

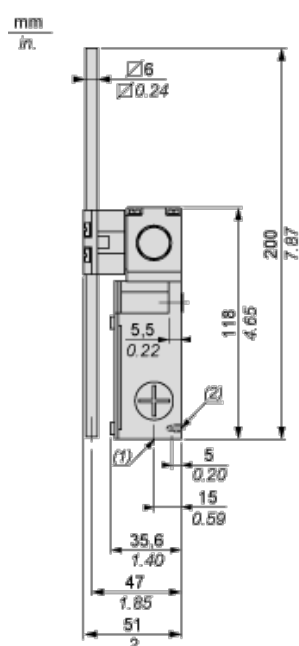
## Offer Sustainability

|                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Green Premium product                                                                                                      | Green Premium product                                                                                                      |
| Compliant - since 0936 - Schneider Electric declaration of conformity                                                      | Compliant - since 0936 - Schneider Electric declaration of conformity                                                      |
| Reference not containing SVHC above the threshold                                                                          | Reference not containing SVHC above the threshold                                                                          |
| Need no specific recycling operations                                                                                      | Need no specific recycling operations                                                                                      |
| WARNING: This product can expose you to chemicals including:                                                               | WARNING: This product can expose you to chemicals including:                                                               |
| Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and                                | Diisononyl 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. | 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 more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              |

## Contractual warranty

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

## Dimensions

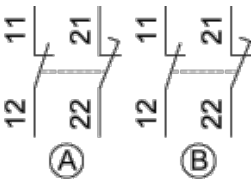


(1) 3 tapped entries ISO M20x1.5

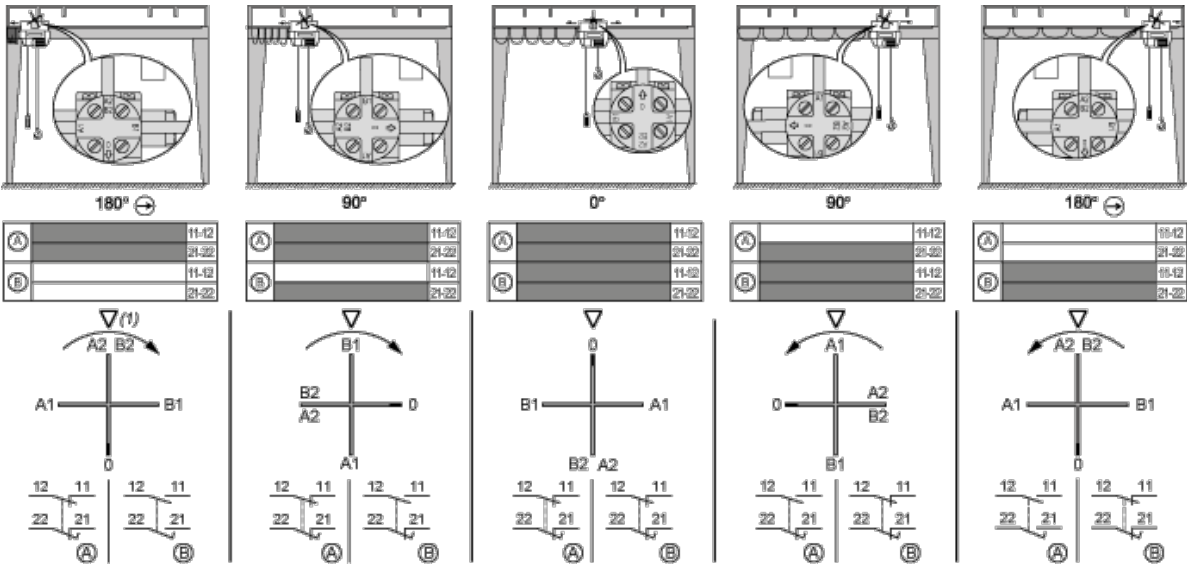
(2) 2 centring holes Ø 3.9 ± 0.2, for cover fixing holes alignment.

Wiring Diagram

2 x 2-pole NC+NC Break Before Make, Slow Break (Non Interchangeable Contacts)



Functionnal Diagram



(1) Triangle symbol marked on top of head.

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

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Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

moschip.ru\_6

moschip.ru\_9