

# XCSPA691

plastic safety switch XCSPA - 1 NC + 1 NO -  
slow break - 1 entry tapped Pg 11



## Main

|                               |                                                                       |
|-------------------------------|-----------------------------------------------------------------------|
| Range of product              | Preventa Safety detection                                             |
| Product or component type     | Safety switch                                                         |
| Component name                | XCSPA                                                                 |
| Design                        | Compact                                                               |
| Material                      | Plastic                                                               |
| Head type                     | Key operated turret head                                              |
| Contacts type and composition | 1 NC + 1 NO                                                           |
| Contacts operation            | Slow-break, make before break                                         |
| Cable entry                   | 1 entry tapped Pg 11                                                  |
| Cable outer diameter          | 7...10 mm                                                             |
| Electrical connection         | Terminal, 1 x 0.5...2 x 1.5 mm <sup>2</sup> with or without cable end |
| Number of poles               | 2                                                                     |
| Locking options description   | Without locking of actuator                                           |

## Complementary

|                                              |                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Insulation                                   | Double insulated                                                                                                                                                                                                                                                                                                                   |
| Positive opening                             | With NC contact                                                                                                                                                                                                                                                                                                                    |
| Mechanical durability                        | >= 1000000 cycles                                                                                                                                                                                                                                                                                                                  |
| Positive opening minimum force               | 15 N                                                                                                                                                                                                                                                                                                                               |
| Minimum actuation speed                      | 0.01 m/s                                                                                                                                                                                                                                                                                                                           |
| Maximum actuation speed                      | 0.5 m/s                                                                                                                                                                                                                                                                                                                            |
| [Ie] rated operational current               | 0.27 A at 250 V utilisation category DC-13, Q300 conforming to EN/IEC 60947-5-1<br>0.55 A at 125 V utilisation category DC-13, Q300 conforming to EN/IEC 60947-5-1<br>3 A at 240 V utilisation category AC-15, A300 conforming to EN/IEC 60947-5-1<br>6 A at 120 V utilisation category AC-15, A300 conforming to EN/IEC 60947-5-1 |
| [Ithe] conventional enclosed thermal current | 10 A                                                                                                                                                                                                                                                                                                                               |
| [Ui] rated insulation voltage                | 300 V conforming to CSA C22.2 No 14<br>500 V conforming to EN/IEC 60947-1<br>300 V conforming to UL 508                                                                                                                                                                                                                            |
| [Uimp] rated impulse withstand voltage       | 6 kV conforming to EN/IEC 60947-5-1                                                                                                                                                                                                                                                                                                |
| Short circuit protection                     | 10 A cartridge fuse type gG (gl)                                                                                                                                                                                                                                                                                                   |
| Actutr forcible withdrawal rtc               | 10 N                                                                                                                                                                                                                                                                                                                               |
| Operating rate                               | 10 cyc/mn for maximum durability                                                                                                                                                                                                                                                                                                   |
| Safety level                                 | Can reach SIL 3 with the appropriate monitoring system and correctly wired conforming to EN/IEC 61508<br>Can reach PL = e with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1<br>Can reach category 4 with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1  |
| Safety reliability data                      | B10d = 5000000 (value given for a life time of 20 years limited by mechanical or contact wear)                                                                                                                                                                                                                                     |
| Body material                                | PA (polyamide)                                                                                                                                                                                                                                                                                                                     |
| Head material                                | PA (polyamide)                                                                                                                                                                                                                                                                                                                     |
| Depth                                        | 30 mm                                                                                                                                                                                                                                                                                                                              |

|                |         |
|----------------|---------|
| Height         | 94 mm   |
| Width          | 30 mm   |
| Product weight | 0.11 kg |

## Environment

|                                            |                                                                                                      |
|--------------------------------------------|------------------------------------------------------------------------------------------------------|
| Standards                                  | EN 1088/ISO 14119<br>EN/IEC 60204-1<br>EN/IEC 60947-5-1<br>EN/ISO 12100<br>UL 508<br>CSA C22.2 No 14 |
| Product certifications                     | CSA<br>UL                                                                                            |
| Protective treatment                       | TC                                                                                                   |
| Ambient air temperature for operation      | -25...70 °C                                                                                          |
| Ambient air temperature for storage        | -40...70 °C                                                                                          |
| Vibration resistance                       | 5 gn (f = 10...500 Hz) conforming to IEC 60068-2-6                                                   |
| Shock resistance                           | 10 gn for 11 ms conforming to IEC 60068-2-27                                                         |
| Class of protection against electric shock | Class II conforming to EN/IEC 60536                                                                  |
| IP degree of protection                    | IP67 conforming to EN/IEC 60529 and EN/IEC 60947-5-1                                                 |

## Offer Sustainability

|                                  |                                                                                                                                            |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                                                                                      |
| RoHS (date code: YYWW)           | Compliant - since 1103 - <a href="#">Schneider Electric declaration of conformity</a>                                                      |
| REACH                            | Reference not containing SVHC above the threshold                                                                                          |
| Product environmental profile    | Available  <a href="#">Download Product Environmental</a> |
| Product end of life instructions | Available  <a href="#">Download End Of Life Manual</a>  |