# Product data sheet
## Characteristics

# XCSTR852
## safety switch XCSTR - spindle 30 mm - 3NC - M16




### Main

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|---|---|
| Range of product | Preventa Safety detection |
| Product or component type | Guard switch |
| Component name | XCSTR |
| Material | Plastic |
| Head type | Turret head rotary axis |
| Insulation | Double insulated |
| Type of operator | Spindle 30 mm |
| Electrical connection | Terminal |
| Contacts type and composition | 1 NC + 1 NC + 1 NC |
| Contact operation | Slow-break |
| Clamping connection capacity | 1 x 0.34...2 x 0.75 mm² with or without cable end |
| Cable entry | 2 entries tapped for M16 x 1.5 |
| Number of poles | 3 |

### Complementary

| | |
|---|---|
| Cable outer diameter | 7…10 mm |
| Positive opening | With NC contact |
| Tripping angle | 5 ° |
| Mechanical durability | 1000000 cycles |
| Minimum torque for tripping | 0.1 N.m |
| Positive opening minimum torque | 0.45 N.m |
| Minimum actuation speed | 0.1 m/s |
| Contact code designation | B300, AC-15 (Ue = 120 V, Ie = 6 A) conforming to EN/IEC 60947-5-1<br>B300, AC-15 (Ue = 240 V, Ie = 3 A) conforming to EN/IEC 60947-5-1<br>Q300, DC-13 (Ue = 125 V, Ie = 0.2 A) conforming to EN/IEC 60947-5-1<br>R300, DC-13 (Ue = 250 V, Ie = 0.1 A) conforming to EN/IEC 60947-5-1 |
| [Ithe] conventional enclosed thermal current | 6 A |
| [Ui] rated insulation voltage | 300 V conforming to UL 508<br>300 V conforming to CSA C22.2 No 14<br>400 V (pollution degree 3) conforming to EN/IEC 60947-1 |
| [Uimp] rated impulse withstand voltage | EN/IEC 60947-5-1 4 kV |
| Maximum resistance across terminals | 30 mOhm conforming to EN/IEC 60947-5-4 |
| Short-circuit protection | 6 A cartridge fuse type gG (gl) |
| Safety level | Can reach category 4 with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1<br>Can reach PL = e with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1<br>Can reach SIL 3 with the appropriate monitoring system and correctly wired conforming to IEC 61508 |
| Safety reliability data | B10d = 5000000 value given for a life time of 20 years limited by mechanical or contact wear |
| Enclosure material | Polyamide PA66 fibre glass impregnated |
| Lever material | Stainless steel |
| Width | 52 mm |
| Height | 117 mm |
| Depth | 60 mm |
| Net weight | 0.155 kg |

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.
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## Environment

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|---|---|
| Standards | UL 508<br>EN 1088/ISO 14119<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-4<br>EN/IEC 60204-1<br>EN/ISO 12100<br>CSA C22.2 No 14 |
| Product certifications | CSA<br>BG<br>UL |
| Protective treatment | TC<br>TH |
| Ambient air temperature for operation | -25…70 °C |
| Ambient air temperature for storage | -40…70 °C |
| Vibration resistance | 50 gn (f= 10…500 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 50 gn for 11 ms conforming to IEC 60068-2-27 |
| Electrical shock protection class | Class II conforming to EN/IEC 61140 |
| IP degree of protection | IP67 conforming to IEC 60529 |

## Packing Units

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|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 170 g |
| Package 1 Height | 6 cm |
| Package 1 width | 12.2 cm |
| Package 1 Length | 7 cm |

## Offer Sustainability

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|---|---|
| Sustainable offer status | Green Premium product |
| 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 |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |

## Contractual warranty

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