

Safety switch, Telemecanique Safety switches
XCS, metal XCSB, 1 NC + 2 NO, slow break, 1
entry tapped M20



Main

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| Range of product | Telemecanique Safety switches XCS |
| Product or component type | Safety switch |
| Component name | XCSB |
| Design | Industrial |
| Material | Metal |
| Head type | Key operated turret head |
| Contacts type and composition | 1 NC + 2 NO |
| Contact operation | Slow-break, break before make |
| Cable entry | 1 entry tapped for M20 x 1.5 |
| Cable outer diameter | 7...13 mm |
| Electrical connection | Terminal, clamping capacity: 1 x 0.5...2 x 1.5 mm ² with or without cable end |
| Number of poles | 3 |
| Locking options description | With locking of actuator, unlocking by push-button |
| Local signalling | Without |

Complementary

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| Positive opening | With NC contact |
| Mechanical durability | 600000 cycles |
| Minimum actuation speed | 0.01 m/s |
| Maximum actuation speed | 0.5 m/s |
| [Ie] rated operational current | 6 A at 120 V, AC-15, A300 conforming to IEC 60947-5-1 3 A at 240 V, AC-15, A300 conforming to IEC 60947-5-1 0.55 A at 125 V, DC-13, Q300 conforming to IEC 60947-5-1 0.27 A at 250 V, DC-13, Q300 conforming to IEC 60947-5-1 |
| [Ithe] conventional enclosed thermal current | 10 A |
| [Ui] rated insulation voltage | 300 V conforming to UL 508 500 V conforming to IEC 60947-1 300 V conforming to CSA C22.2 No 14 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to IEC 60947-5-1 |
| Short-circuit protection | 10 A cartridge fuse type gG (gl) |
| Actuator forcible withdrawal rtc | 1500 N |
| Minimum actuator force for extraction | 20 N |
| Maximum operating rate | 10 cyc/mn for maximum durability |
| Safety level | Can reach category 4 with the appropriate monitoring system and correctly wired conforming to ISO 13849-1 Can reach PL = e with the appropriate monitoring system and correctly wired conforming to ISO 13849-1 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 |
| Body material | Zamak |
| Head material | Zamak |
| Depth | 44 mm |
| Height | 114 mm |
| Width | 52 mm |
| Net weight | 0.475 kg |

Environment

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| Standards | IEC 60204-1 UL 508 ISO 12100 IEC 60947-5-1 EN 1088/ISO 14119 CSA C22.2 No 14 |
| Product certifications | CSA[RETURN]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 |
| Electrical shock protection class | Class I conforming to IEC 61140 |
| IP degree of protection | IP67 conforming to EN/IEC 60529 and EN/IEC 60947-5-1 |

Packing Units

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| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 12.500 cm |
| Package 1 Width | 5.000 cm |
| Package 1 Length | 6.800 cm |
| Package 1 Weight | 530.000 g |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 18 |
| Package 2 Height | 15.000 cm |
| Package 2 Width | 30.000 cm |
| Package 2 Length | 40.000 cm |
| Package 2 Weight | 9.907 kg |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| Circularity Profile | No need of specific recycling operations |
| California proposition 65 | WARNING: This product can expose you to chemicals including: 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. For more information go to www.P65Warnings.ca.gov |
| For all Reach Rohs enquiries contact us at | sustainability@tesensors.com |

Contractual warranty

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| Warranty | 18 months |
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