

# Product data sheet

# XCSM3715L1

Safety limit switch XCSM, metal, 2NC+1NO, cable 1 m, rotary lever

## Main

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| Range of product | Telemecanique Safety switches XCS |
| Product or component type | Safety limit switch |
| Component name | XCSM |
| Design | Miniature |
| Sensor design | Miniature |
| ETIM classification | ETIM 9 - EC002593 - Position switch with guard locking |
| Head type | Rotary head |
| Material | Metal |
| Body material | Zamak |
| Head material | Zamak |
| Fixing mode | By the body |
| Type of operator | Thermoplastic roller lever |
| Switch actuation | By 30° cam |
| Type of approach | Lateral approach |
| Number of poles | 3 |
| 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 = 50000000 value given for a life time of 20 years limited by mechanical or contact wear |
| Protection technology | Plastic protective cover, secured by 5-lobe socket head safety screw |
| Product certifications | CSA<br>UL |
| Standards | CSA C22.2 No 14<br>EN 1088<br>IEC 60204-1<br>IEC 60947-5-1<br>UL 508 |
| Indivisible sale quantity | 1 |

## Complementary

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| Mechanical durability | 10000000 cycles |
| Minimum torque for tripping | 0.5 N.m |

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.
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| Minimum actuation speed | 6 m/mn |
| Contact code designation | B300, AC-15 (Ue = 240 V, Ie = 1.5 A) conforming to IEC 60947-5-1, B300, AC-15 (Ue = 240 V, Ie = 1.5 A) conforming to IEC 60947-5-1 appendix A, R300, DC-13 (Ue = 250 V, Ie = 0.1 A) conforming to IEC 60947-5-1, R300, DC-13 (Ue = 250 V, Ie = 0.1 A) conforming to IEC 60947-5-1 appendix A |
| Repeat accuracy | 0.05 mm on the tripping points |
| Electrical connection | Pre-cabled |
| Cable length | 1 m |
| Cable composition | 7 x 0.5 mm² |
| Positive opening | With NC contact |
| Positive opening minimum torque | 0.1 N.m |
| Contacts type and composition | 1 NC + 1 NC + 1 NO |
| Contact operation | Slow-break, break before make |
| [Uimp] rated impulse withstand voltage | 4 kV conforming to IEC 60664, 4 kV conforming to IEC 60947-1 |
| [Ui] rated insulation voltage | 300 V conforming to UL 508, 400 V (pollution degree 3) conforming to IEC 60947-5-1, 300 V conforming to CSA C22.2 No 14 |
| Resistance across terminals | 25 MOhm conforming to IEC 60255-7 category 3 |
| Electrical shock protection class | Class I, class I conforming to IEC 61140 |
| Short-circuit protection | 6 A cartridge fuse type gG (gI) |
| Width | 30 mm |
| Depth | 34 mm |
| Product weight | 0.205 kg |

## Environment

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| IK degree of protection | IK06 conforming to IEC 62262 |
| IP degree of protection | IP66 conforming to IEC 60529, IP67 conforming to IEC 60529, IP68 conforming to IEC 60529 |
| Ambient air temperature for operation | -25…70 °C |
| Ambient air temperature for storage | -40…70 °C |
| Shock resistance | 25 gn for 18 ms conforming to IEC 60068-2-27 |
| Vibration resistance | 25 gn (f= 10-500 Hz) conforming to IEC 60068-2-6 |
| Protective treatment | TC |

## Offer Sustainability

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| 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 |

## Warranty

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| Warranty | 18 months |

## Packing Units

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| Country of origin | ID (Indonesia) |
| Unit type of package 1 | PCE |
| Number of units in package 1 | 1 |
| New Package 1 GTIN-13 | 3666916046692 |
| Package 1 height | 3.5 cm |
| Package 1 width | 15 cm |
| Package 1 length | 20 cm |
| Package 1 weight | 0.234 kg |
| Unit type of package 2 | S03 |
| Number of units in package 2 | 40 |
| New Package 2 GTIN 14 | 13666916046699 |
| Package 2 height | 30 cm |
| Package 2 width | 40 cm |
| Package 2 length | 30 cm |
| Package 2 weight | 11.423 kg |
| Unit type of package 3 | CAR |
| Number of units in package 3 | 1 |
| New Package 3 GTIN 14 | 23666916046696 |
| Package 3 height | 4 cm |
| Package 3 width | 20 cm |
| Package 3 length | 15 cm |
| Package 3 weight | 0.238 kg |