

# Product data sheet

# XCSRM10L01M12

Safety RFID switch XCSRM, unique pairing, single model, 100 mm cable, M12 connector

## Main

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|---|---|
| Range of product | Telemecanique Safety switches XCS |
| Device Type | Single model, unique pairing |
| Product or component type | Preventa RFID safety switch |
| Component name | XCSRM |
| Design | Miniature |
| Sensor design | Miniature |
| ETIM classification | ETIM 9 - EC002593 - Position switch with guard locking |
| Connector type | M12 male |
| Material | Plastic |
| Cable material | PVC |
| Enclosure material | Plastic |
| Approach directions | 1 direction |
| Safety level | SIL 3 conforming to IEC 61508 SILCL 3 conforming to IEC 62061 PL = e conforming to ISO 13849-1 category 4 conforming to ISO 13849-1 |
| Safety reliability data | PFHd = 2.62E-9 1/h conforming to IEC 62061 PFHd = 2.62E-9 1/h conforming to ISO 13849-1 |
| [Sa] assured operating distance | 10mm face to face |
| [Sar] assured tripping distance | 25mm face to face |
| Product certifications | Ecolab<br>TÜV |
| Marking | CE<br>TÜV<br>UKCA |
| Standards | IEC 60947-5-2<br>IEC 60947-5-3<br>ISO 14119 |
| Indivisible sale quantity | 1 |

## Complementary

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|---|---|
| Electrical connection | Pigtail connector |
| Cable length | 0.1 m |
| Cable composition | 5 x 0.34 mm² |
| [Ue] rated operational voltage | 24 V DC (- 20...20 %) SELV or PELV conforming to IEC 60204-1 |

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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|---|---|
| Maximum switching voltage | 28,8V DC |
| [Uimp] rated impulse withstand voltage | 1kV conforming to IEC 60947-5-2 |
| Switching capacity in mA | 300 mA |
| [Ui] rated insulation voltage | 300V DC |
| Electrical shock protection class | Class III conforming to IEC 61140 |
| Response time | <55 ms +12 ms per switch in daisy-chain (Risk time according to IEC 60947-5-3) |
| Protection type | Short-circuit protection |
| Local signalling | Green, yellow and red 1 multi-colour LED |
| Safety outputs | 2 NO |
| Type of output stage | Solid-state, PNP |
| Tightening torque | 0.8...1.2 N.m |
| Switching frequency | <= 1 Hz |
| Size | Switch: 42 x 28.5 x 18 mm actuator: 42 x 28.5 x 18 mm |

## Environment

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|---|---|
| IP degree of protection | IP65 conforming to IEC 60529 IP67 conforming to IEC 60529 |
| Ambient air temperature for operation | -25-70°C |
| Ambient air temperature for operation | -25...70 °C |
| Shock resistance | 30 gn for 11ms conforming to IEC 60068-2-27 |
| Vibration resistance | +/- 1 mm (f= 10-55Hz) conforming to IEC 60068-2-6 |

## 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. Fo 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 | IT (Italy) |
| Unit type of package 1 | PCE |
| Number of units in package 1 | 1 |
| New Package 1 GTIN-13 | 3666916070598 |
| Package 1 height | 12 cm |
| Package 1 width | 2 cm |
| Package 1 length | 15 cm |
| Package 1 weight | 0.079 kg |
| Unit type of package 2 | S01 |

| | |
|---|---|
| Number of units in package 2 | 12 |
| New Package 2 GTIN 14 | 13666916070595 |
| Package 2 height | 15 cm |
| Package 2 width | 15 cm |
| Package 2 length | 40 cm |
| Package 2 weight | 1.463 kg |
| New Package 3 GTIN 14 | 23666916070592 |