



# XCSR10L05

Miniature Safety RFID switch, unique pairing, single model, 5-pin, 5m cable

COMMERCIALISED

## Main

|                           |                                   |
|---------------------------|-----------------------------------|
| Range of product          | Telemecanique Safety switches XCS |
| Product or component type | Preventa RFID safety switch       |
| Component name            | XCSR                              |

## Complementary

|                                |                                                                                |
|--------------------------------|--------------------------------------------------------------------------------|
| Design                         | Miniature                                                                      |
| Size                           | Switch: 42 x 28.5 x 18 mm actuator: 42 x 28.5 x 18 mm                          |
| Material                       | Plastic                                                                        |
| Type of output stage           | Solid-state, PNP                                                               |
| Safety outputs                 | 2 NO                                                                           |
| Local signalling               | Green, yellow and red 1 multi-colour LED                                       |
| [Ue] rated operational voltage | 24 V DC ( - 20...20 %) SELV or PELV conforming to IEC 60204-1                  |
| Protection type                | Short-circuit protection                                                       |
| Switching capacity in mA       | 300 mA                                                                         |
| Switching frequency            | <= 0.5 Hz                                                                      |
| Response time                  | <55 ms +12 ms per switch in daisy-chain (Risk time according to IEC 60947-5-3) |
| Tightening torque              | 0.8...1.2 N.m                                                                  |
| Standards                      | IEC 60947-5-3<br>ISO 14119<br>IEC 60947-5-2                                    |
| Product certifications         | TÜV<br>Ecolab                                                                  |
| Marking                        | CE<br>UKCA<br>TÜV                                                              |

|                                   |                                                                                                                                     |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| 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                                             |
| Vibration resistance              | +/- 1 mm (f= 10-55Hz) conforming to IEC 60068-2-6                                                                                   |
| Shock resistance                  | 30 gn for 11ms conforming to IEC 60068-2-27                                                                                         |
| Electrical shock protection class | Class III conforming to IEC 61140                                                                                                   |
| IP degree of protection           | IP65 conforming to IEC 60529 IP67 conforming to IEC 60529 IP69K conforming to DIN 40050                                             |

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Updated: 23/06/2025

