



## Main

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

## Complementary

|                                        |                                                                |
|----------------------------------------|----------------------------------------------------------------|
| Design                                 | Rectangular, standard                                          |
| Size                                   | Transponder: 50 x 15 x 15 mm<br>Reader: 108.3 x 30 x 15 mm     |
| Material                               | Valox                                                          |
| Electrical connection                  | 1 male connector                                               |
| Connector type                         | M12 male                                                       |
| Type of output stage                   | Solid-state, PNP                                               |
| Safety outputs                         | 2 NO                                                           |
| Number of poles                        | 5                                                              |
| Local signalling                       | Green, orange and red 2 multi-colour LEDs                      |
| [Sa] assured operating distance        | 10 Mm face to face                                             |
| [Sar] assured tripping distance        | 35 Mm face to face                                             |
| Approach directions                    | 3 directions-transponder with rotary sensing face              |
| [Ue] rated operational voltage         | 24 V DC (- 20...10 %)SELV or PELV conforming to EN/IEC 60204-1 |
| [Ie] rated operational current         | 60 MA                                                          |
| [Ui] rated insulation voltage          | 30 V DC                                                        |
| [Uimp] rated impulse withstand voltage | 0.8 KV IEC 60947-5-2                                           |
| Protection type                        | Short-circuit protection                                       |
| Maximum switching voltage              | 26.4 V DC                                                      |
| Switching capacity in mA               | 200 mA                                                         |
| Switching frequency                    | <= 0.5 Hz                                                      |
| Maximum discordance time               | 120 Ms                                                         |
| Response time                          | 120 ms typical                                                 |
| Maximum delay first up                 | 5 S                                                            |
| Tightening torque                      | < 1.5 N.m                                                      |
| Standards                              | EN/IEC 60947-5-2<br>ISO 14119<br>EN/IEC 60947-5-3              |

|                                       |                                                                                                                                                          |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product certifications                | EAC<br>TÜV<br>FCC<br>IC<br>CSA 22-2<br>Ecolab<br>E2<br>RCM                                                                                               |
| Marking                               | FCC<br>TÜV<br>RCM<br>EAC<br>IC<br>CE<br>CULus                                                                                                            |
| Safety level                          | SIL 3 conforming to EN/IEC 61508<br>SILCL 3 conforming to EN/IEC 62061<br>PL = e conforming to EN/ISO 13849-1<br>Category 4 conforming to EN/ISO 13849-1 |
| Safety reliability data               | PFH<SUB>D</SUB> = 5E-10/h conforming to EN/IEC 62061<br>PFH<SUB>D</SUB> = 5E-10/h conforming to EN/ISO 13849-1                                           |
| Service life                          | 20 Year(S)                                                                                                                                               |
| Ambient air temperature for operation | -25...70 °C                                                                                                                                              |
| Ambient air temperature for storage   | -40...85 °C                                                                                                                                              |
| Vibration resistance                  | 10 gn (f= 10...150 Hz) conforming to EN/IEC 60068-2-6                                                                                                    |
| Shock resistance                      | 30 gn for 11 ms conforming to EN/IEC 60068-2-27                                                                                                          |
| Electrical shock protection class     | Class III conforming to EN/IEC 61140                                                                                                                     |
| IP degree of protection               | IP65 conforming to EN/IEC 60529<br>IP66 conforming to EN/IEC 60529<br>IP67 conforming to EN/IEC 60529<br>IP69K conforming to DIN 40050                   |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Weight             | 106 G    |
| Package 1 Height             | 3.7 Cm   |
| Package 1 width              | 14.9 Cm  |
| Package 1 Length             | 18 Cm    |
| Unit Type of Package 2       | S01      |
| Number of Units in Package 2 | 12       |
| Package 2 Weight             | 1.427 Kg |
| Package 2 Height             | 15 Cm    |
| Package 2 width              | 15 Cm    |
| Package 2 Length             | 40 Cm    |

## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                                                                                                                            |
| REACH Regulation           |  <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                            |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a>                                                                                                                                                                                             |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                                                                                                              |
| RoHS exemption information |  <a href="#">Yes</a>                                                                                                                                                                                                                                                                          |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a>                                                                                                                                                                                                                                                |
| 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 Diisodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

Product Life Status : **Commercialised**

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