

XCSDM480102

coded magnetic system XCSDM4 - SIL 3 - 2
PNP outputs - cable 2m



Main

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|--------------------------------|-------------------------------|
| Range of product | Preventa Safety detection |
| Product or component type | Coded magnetic system |
| Component name | XCSDM4 |
| Design | Rectangular |
| Size | 100 x 34 x 32 mm |
| Contacts type and composition | 1 NO + 1 NO |
| Material | Plastic |
| Electrical connection | Pre-cabled |
| Cable composition | 8 x 0.25 mm |
| Cable length | 2 m |
| Ohmic cable resistance | 180 mOhm |
| Local signalling | 1 LED (green, orange and red) |
| Approach directions | 9 directions |
| [Ue] rated operational voltage | 24 V DC (- 20...10 %) |
| [Ui] rated insulation voltage | 36 V DC |

Complementary

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| Cable outer diameter | 6.1 mm |
| Type of output stage | Solid-state, PNP |
| Safety outputs | 2 outputs 1.5 A, 24 V, DC |
| Alarm output | 1 solid-state output, 0.5 A, 24 V, DC, PNP |
| [Sa] assured operating distance | 10 mm |
| [Sar] assured tripping distance | 20 mm |
| Minimum actuation speed | 0.01 m/s |
| [Uimp] rated impulse withstand voltage | 2.5 kV conforming to EN/IEC 60947-5-1 |
| Protection type | Overload and short-circuit protection |
| Switching frequency | 3 Hz |
| Time delay | 100 ms (activation) |
| Discordance time | 2 s |
| [HFT] Hardware Fault Tolerance | 1 |
| Tightening torque | <= 1.8 N.m |
| Installed device | 32 maximum with 2 m long cable |
| Marking | CE |
| Safety level | SIL 3 (correctly wired) conforming to EN/IEC 61508 PL = e (correctly wired) conforming to EN/ISO 13849-1 Category 4 (correctly wired) conforming to EN/ISO 13849-1 |
| Safety reliability data | SF = 92.5 % PFH = 3.94E-9 PFD = 1.15E-5 MTTFd = 182 years HFT = 1 |
| Enclosure material | Thermoplastic PBT |
| Cable material | PVC |
| Depth | 32 mm |
| Height | 100 mm |

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. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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| Width | 34 mm |
| Product weight | 0.32 kg |

Environment

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| Standards | EN 1088 EN 13849-1 EN/IEC 60947-5-1 EN/IEC 60947-5-2 EN/IEC 60947-5-3 EN/IEC 62061 IEC 61508 ISO 14119 |
| Product certifications | CSA TÜV UL |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -40...85 °C |
| Vibration resistance | 10 gn (f = 10...500 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 30 gn for 11 ms conforming to IEC 60068-2-27 |
| Sensitivity to magnetic fields | <= 0.5 mT |
| Class of protection against electric shock | Class III conforming to IEC 61140 |
| IP degree of protection | IP69K conforming to DIN 40050 IP67 conforming to IEC 60529 IP66 conforming to IEC 60529 |

Offer Sustainability

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|--------------------------|---|
| Sustainable offer status | Not Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 0729 - Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold |