# Product datasheet

Specifications

Green Premium™

## module XPS-CM - single-beam photo-electric sensors - 24 V DC

Local distributor code:

407169489 XPSCM1144

**EAN Code: 3389110274127**

## Main

| | |
|---|---|
| **Range Of Product** | Telemecanique Safety light curtains XUSL |
| **Product Or Component Type** | Safety module |
| **Safety Module Name** | XPSCM |
| **Safety Module Application** | For monitoring of single beam photo-electric sensor |
| **Function Of Module** | Built-in muting |
| **Safety Level** | Can reach category 2 with the appropriate control system and correctly wired conforming to EN/ISO 13849-1<br>Can reach SILCL 1 with the appropriate control system and correctly wired conforming to EN/IEC 62061<br>Can reach PL = c with the appropriate control system and correctly wired conforming to EN/ISO 13849-1 |
| **Safety Reliability Data** | MTTFd = 16.6 years conforming to EN/ISO 13849-1<br>DC = 95.5 % conforming to EN/ISO 13849-1<br>PFH = 3.12E-7 1/h conforming to EN/IEC 61508<br>PFHd = 3.12E-7 1/h conforming to EN/IEC 62061 |
| **Number Of Inputs** | 2 (terminal(s) MA, MB) for muting function<br>4 (terminal(s) Z1, Z2, Z3, Z4) for sensor |
| **Input Voltage** | 24 V DC for sensor<br>24 V DC (terminal(s) U+, U-) for muting function |
| **Input Compatibility** | XC limit switch for muting function<br>XU2M18PP340... for muting function<br>XU2S18PP340... (infrared) for sensor<br>XU9M18PP340... for muting function |
| **Connections - Terminals** | Captive screw clamp terminals, 1 x 0.14...1 x 2.5 mm² solid or flexible without cable end<br>Captive screw clamp terminals, 1 x 0.25...1 x 1.5 mm² flexible with cable end, with bezel<br>Captive screw clamp terminals, 1 x 0.25...1 x 2.5 mm² flexible with cable end, without bezel<br>Captive screw clamp terminals, 2 x 0.14...2 x 0.75 mm² solid or flexible without cable end<br>Captive screw clamp terminals, 2 x 0.25...2 x 1 mm² flexible with cable end, without bezel<br>Captive screw clamp terminals, 2 x 0.5...2 x 1.5 mm² flexible with cable end, with double bezel |
| **Output Type** | Relay 2 NO (13-14, 23-24), volt-free |
| **Number Of Additional Circuits** | 0 |
| **[Us] Rated Supply Voltage** | 24 V DC - 20...20 % |

## Complementary

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|---|---|
| **Sensor Power Supply** | U+, U-: 24 V DC |
| **Maximum Supply Current For Sensors** | 200 mA |
| **Input Current** | 200 mA for muting function |

Disclaimer: 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

| | |
|---|---|
| **Synchronisation Time Between Inputs** | 3 s (+/- 20 %) for the activation of the MA/MB muting signal |
| **Muting Maximum Duration** | 60 s (- 10...30 %) |
| **Maximum Line Resistance** | 10 Ohm for sensor power supply |
| **Breaking Capacity** | 180 VA holding AC-15 C300 relay output<br>1800 VA inrush AC-15 C300 relay output |
| **Breaking Capacity** | 20 mA at 24 V for solid state output<br>1.5 A at 24 V (DC-13) time constant: 50 ms for relay output |
| **Associated Fuse Rating** | 4 A gG for relay output conforming to DIN VDE 0660 part 200<br>4 A gG for relay output conforming to EN/IEC 60947-5-1<br>6 A fast blow for relay output conforming to DIN VDE 0660 part 200<br>6 A fast blow for relay output conforming to EN/IEC 60947-5-1 |
| **Minimum Output Current** | 10 mA for relay output |
| **Minimum Output Voltage** | 17 V for relay output |
| **Maximum Response Time On Input Open** | 25 ms |
| **Local Signalling** | 1 LED, function electronic internal fuse status<br>1 LED, function restarting<br>1 LED, function safety outputs closed<br>1 LED, function safety outputs open<br>1 incandescent lamp, function muting power consumption: 4…6.5 W |
| **Output Thermal Current** | 5.6 A per relay<br>11 A maximum |
| **Power Consumption In W** | 15 W |
| **Protection Type** | Electronic internal fuse |
| **[Ui] Rated Insulation Voltage** | 300 V (pollution degree 2) conforming to DIN VDE 0110 parts 1 and 2<br>300 V (pollution degree 2) conforming to EN/IEC 60947-5-1 |
| **[Uimp] Rated Impulse Withstand Voltage** | 4 kV overvoltage category III conforming to DIN VDE 0110 parts 1 and 2<br>4 kV overvoltage category III conforming to EN/IEC 60947-5-1 |

## Environment

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|---|---|
| **Ambient Air Temperature For Operation** | -10…55 °C |
| **Ambient Air Temperature For Storage** | -25…85 °C |
| **Ip Degree Of Protection** | IP20 (terminals) conforming to IEC 60529<br>IP40 (enclosure) conforming to IEC 60529 |

## Packing Units

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|---|---|
| **Unit Type Of Package 1** | PCE |
| **Number Of Units In Package 1** | 1 |
| **Package 1 Height** | 6.4 cm |
| **Package 1 Width** | 11.6 cm |
| **Package 1 Length** | 16.0 cm |
| **Package 1 Weight** | 400.0 g |
| **Unit Type Of Package 2** | S03 |
| **Number Of Units In Package 2** | 20 |
| **Package 2 Height** | 30.0 cm |
| **Package 2 Width** | 30.0 cm |
| **Package 2 Length** | 40.0 cm |
| **Package 2 Weight** | 8.564 kg |

## Contractual warranty

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|---|---|
| **Warranty** | 18 months |

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-$CO_2$ products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

## Well-being performance

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|---|---|
| Mercury Free | |
| Rohs Exemption Information | Yes |
| Pvc Free | |

## Certifications & Standards

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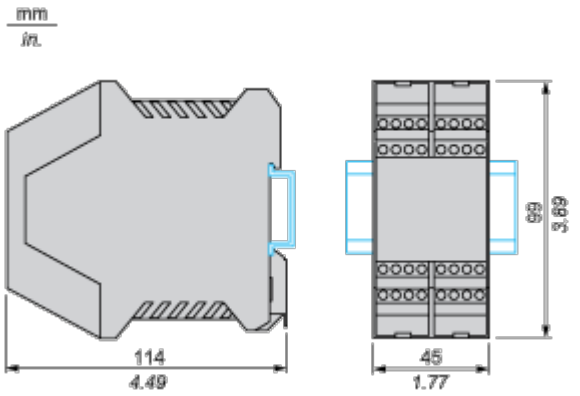
|---|---|
| **Reach Regulation** | REACh Declaration |
| **Eu Rohs Directive** | Pro-active compliance (Product out of EU RoHS legal scope) |
| **China Rohs Regulation** | China RoHS declaration |
| **Environmental Disclosure** | Product Environmental Profile |
| **Weee** | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| **Circularity Profile** | End of Life Information |

Dimensions Drawings

## Dimensions