


Product datasheet

Specifications



4 safety relay outputs expansion module with spring term

Local distributor code:
407168503 XPSMCMER0004G

 **Discontinued on:** 9 Feb 2023

EAN Code: 3606480748813

 **Discontinued**

Main

| | |
|---------------------------|--|
| Range Of Product | Preventa Safety automation |
| Product Or Component Type | Safe relay output module |
| Device Short Name | XPSMCM |
| Electrical Connection | Spring terminal |
| [Us] Rated Supply Voltage | 24 V - 20...20 % DC |
| Number Of Outputs | 4 relay |
| Function Of Module | Monitoring safety actuators for relay output |

Complementary

| | |
|--------------------------------|---|
| Maximum Power Dissipation In W | 3 W |
| Integrated Connection Type | Not connected to backplane expansion bus |
| Switching Voltage | 10 V DC |
| Associated Fuse Rating | 3.5 A, slow-blow |
| Safety Level | Can reach category 4 conforming to ISO 13849-1 Can reach PL = e conforming to ISO 13849-1 Can reach SIL 3 conforming to IEC 61508 SILCL 3 conforming to IEC 62061 |
| Quality Labels | CE |
| Output Type | Relay, 4 NO + 2 NC circuit(s), volt-free |
| Quantity Per Set | 1 |
| Switching Time | 12 ms |
| Maximum Switching Voltage | 400 V AC 250 V DC |
| Minimum Switching Current | 20 mA |
| Maximum Switching Current | 6 A |
| Number Of Terminal Blocks | 6 |
| Local Signalling | 1 LED green with PWR marking for power ON 1 LED green with RUN marking for RUN (status) 1 LED red with E IN marking for internal error 1 LED red with E EX marking for external error 2 LEDs orange with ADDR marking for node address 2 LEDs green/red with RELAY K1...K2 marking for relay contact |
| Connections - Terminals | 1 spring clamp terminals, removable terminal block 2 spring clamp terminals, removable terminal block |

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

| | |
|---------------------|---|
| Cable Cross Section | 0.2...2.5 mm² - AWG 24...AWG 14 flexible cablewithout cable end 0.25...2.5 mm² - AWG 23...AWG 14 flexible cablewith cable end, with bezel 0.25...2.5 mm² - AWG 23...AWG 14 flexible cablewith cable end, without bezel 0.2...2.5 mm² - AWG 24...AWG 14 solid cablewithout cable end 0.5...1 mm² - AWG 20...AWG 18 flexible cablewith cable end, with double bezel |
| Mounting Support | Omega 35 mm DIN rail conforming to EN 50022 |
| Width | 22.5 mm |
| Height | 99 mm |
| Depth | 114.5 mm |
| Net Weight | 0.3 kg |

Environment

| | |
|--|---|
| Standards | IEC 61800-5-1 IEC 61508 IEC 62061 ISO 13849-1 |
| Product Certifications | cULus RCM TÜV |
| Ip Degree Of Protection | IP20 |
| Ambient Air Temperature For Operation | -10...55 °C |
| Ambient Air Temperature For Storage | -20...85 °C |
| Relative Humidity | 10...95 % |
| Pollution Degree | 2 |
| [Uimp] Rated Impulse Withstand Voltage | 4 kV conforming to IEC 61800-5-1 |
| Safety Reliability Data | B10d = 300000 utilisation category AC-15 230 V, , <3 A conforming to ISO 13849-1 B10d = 750000 utilisation category AC-15 230 V, , <1 A conforming to ISO 13849-1 B10d = 10000000 utilisation category DC-13 24 V, , <2 A conforming to ISO 13849-1 |
| Insulation | 250 V AC between power supply and housing conforming to IEC 61800-5-1 |
| Overvoltage Category | II |
| Electromagnetic Compatibility | Electrostatic discharge immunity test - test level: 6 kV (on contact) conforming to IEC 61000-4-2 Electrostatic discharge immunity test - test level: 20 kV (on air) conforming to IEC 61000-4-2 Susceptibility to electromagnetic fields - test level: 10 V/m (80...1000 MHz) conforming to IEC 61000-4-3 Susceptibility to electromagnetic fields - test level: 30 V/m (1.4 GHz...2 GHz) conforming to IEC 61000-4-3 |
| Vibration Resistance | +/-0.35 mm (f= 10...55 Hz) conforming to IEC 61496-1 |
| Shock Resistance | 10 gn for 16 ms (1000 shocks on each axis) conforming to IEC 61496-1 |
| Electrical Durability | 20000000 cycles |
| Mechanical Durability | 20000000 cycles |
| Service Life | 20 year(s) |

Packing Units

| | |
|------------------------------|---------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 4.5 cm |
| Package 1 Width | 12.8 cm |
| Package 1 Length | 16.2 cm |

| | |
|------------------------------|----------|
| Package 1 Weight | 294.0 g |
| Unit Type Of Package 2 | S01 |
| Number Of Units In Package 2 | 6 |
| Package 2 Height | 15.0 cm |
| Package 2 Width | 15.0 cm |
| Package 2 Length | 40.0 cm |
| Package 2 Weight | 2.003 kg |

Contractual warranty

| | |
|----------|-----------|
| 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-CO₂ 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 >](#)

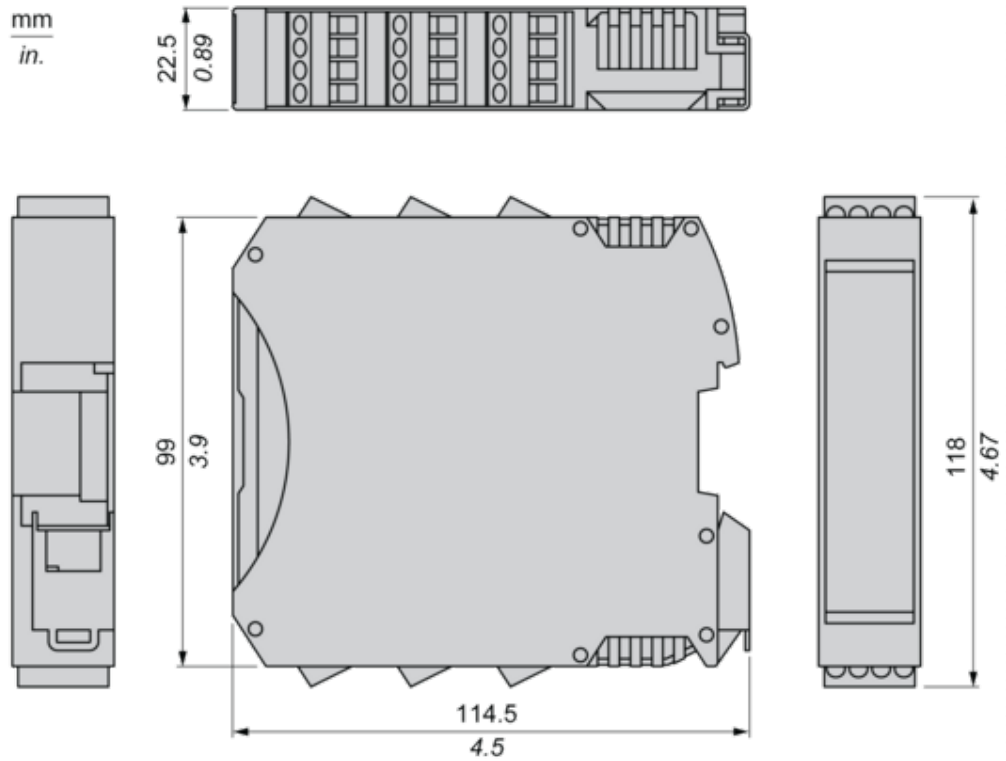
Well-being performance

| | |
|--|---|
|  Reach Free Of Svhc | |
|  Mercury Free | |
|  Rohs Exemption Information | Yes |
|  Pvc Free | |
| Reach Regulation | REACH Declaration |
| Eu Rohs Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| China Rohs Regulation | China RoHS declaration |
| Weee | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Dimensions Drawings

Dimensions

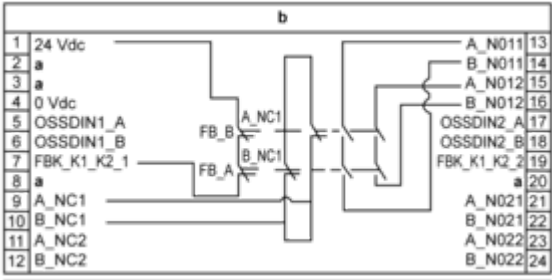
Spring Terminal



Connections and Schema

Wiring

Wiring Example



a : Not connected
b : Safe Relay output module