



Main

| | |
|---------------------------|--|
| Range of product | Preventa Safety automation |
| Product or component type | Safe mixed I/O expansion module |
| Device short name | XPSMCM |
| Electrical connection | Screw terminal |
| [Us] rated supply voltage | 24 V (- 20...20 %) DC |
| Number of inputs | 8 digital 2 digital external device monitoring |
| Number of outputs | 2 safety outputs OSSD contactor/drive connection 2 configurable diagnostic connection 4 test line control |
| Discrete input type | Isolated |
| Discrete output type | PNP |
| Function of module | Discrete input monitoring safety detection Discrete input monitoring safety dialogue Discrete output monitoring safety actuators |

Complementary

| | |
|----------------------------|--|
| Power consumption in W | <= 3 W |
| Power dissipation in W | 3 W |
| Integrated connection type | Backplane expansion bus |
| Number of terminal blocks | 6 |
| Connections - terminals | 2-wire captive screw clamp terminals, removable terminal block 1-wire captive screw clamp terminals, removable terminal block |
| Load type | Resistive load |
| Safety level | Can reach SIL 3 conforming to EN/IEC 61508 SILCL 3 conforming to IEC 62061 Can reach category 4 conforming to EN/ISO 13849-1 Can reach PL = e conforming to EN/ISO 13849-1 |
| Quality labels | CE |
| Discrete input voltage | 24 V DC |
| Discrete output voltage | 24 V DC |
| Discrete output current | 400 mA 100 mA |
| Output load | 60 Ohm |
| Local signalling | 1 LED green with PWR marking power ON 1 LED green with RUN marking RUN (status) 1 LED red with E IN marking internal error 1 LED red with E EX marking external error 8 LEDs yellow with IN marking input status 2 LEDs green/red with OUT marking output status 2 LEDs yellow with RST marking restart signal 2 LEDs orange with ADDR marking node address 2 LEDs yellow with STATUS marking output status |
| Cable cross section | (0.2...1.5 mm ² - AWG 24...AWG 16) flexible cable without cable end (0.2...2.5 mm ² - AWG 24...AWG 14) flexible cable without cable end (0.25...1 mm ² - AWG 23...AWG 18) flexible cable with cable end, without bezel (0.25...2.5 mm ² - AWG 23...AWG 14) flexible cable with cable end, with bezel (0.5...1.5 mm ² - AWG 20...AWG 16) flexible cable with cable end, with double bezel (0.2...1 mm ² - AWG 24...AWG 18) solid cable without cable end (0.2...2.5 mm ² - AWG 24...AWG 14) solid cable without cable end (0.25...2.5 mm ² - AWG 23...AWG 14) flexible cable with cable end, without bezel |
| Mounting support | Omega 35 mm DIN rail conforming to EN 50022 |
| Depth | 0.89 in (22.5 mm) |
| Height | 3.9 in (99 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.

| | |
|----------------|-----------------------|
| Width | 4.51 in (114.5 mm) |
| Product weight | 0.55 lb(US) (0.25 kg) |

Environment

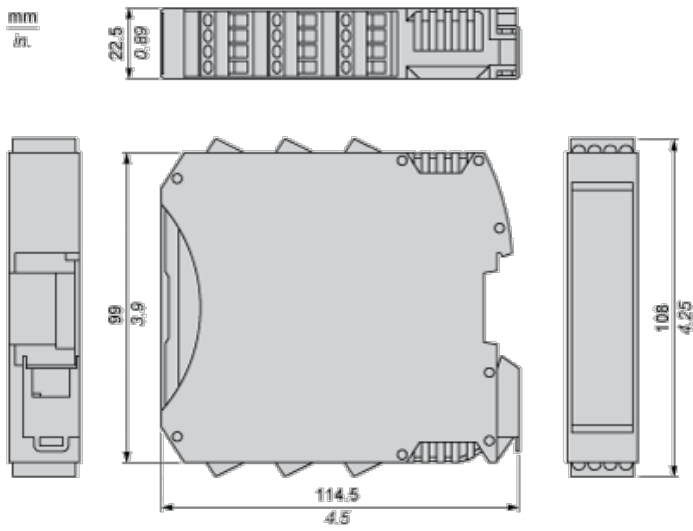
| | |
|--|---|
| standards | EN/IEC 61508 EN/IEC 61800-5-1 EN/ISO 13849-1 IEC 62061 |
| product certifications | CULus TÜV RCM |
| IP degree of protection | IP20 enclosure |
| ambient air temperature for operation | 14...131 °F (-10...55 °C) |
| ambient air temperature for storage | -20...85 °C |
| relative humidity | 10...95 % |
| pollution degree | 2 |
| [Uimp] rated impulse withstand voltage | 4 kV conforming to EN/IEC 61800-5-1 |
| safety reliability data | DC > 99 % MTTFd < 100 years at high PFHd = 5.72E-9 1/h |
| insulation | 250 V AC between power supply and housing conforming to EN/IEC 61800-5-1 |
| overvoltage category | II |
| electromagnetic compatibility | Electrostatic discharge immunity test - test level 6 kV, on contact conforming to EN/IEC 61000-4-2 Electrostatic discharge immunity test - test level 20 kV, on air conforming to EN/IEC 61000-4-2 Susceptibility to electromagnetic fields - test level 10 V/m, 80...1000 MHz conforming to EN/IEC 61000-4-3 Susceptibility to electromagnetic fields - test level 30 V/m, 1.4 GHz...2 GHz conforming to EN/IEC 61000-4-3 |
| vibration resistance | +/-0.35 mm (f = 10...55 Hz) conforming to EN/IEC 61496-1 |
| shock resistance | 10 gn (duration = 16 ms) shocks : 1000 shocks on each axis EN/IEC 61496-1 |
| service life | 20 yr |

Offer Sustainability

| | |
|--|--|
| Green Premium product | Green Premium product |
| Compliant - since 1450 - Schneider Electric declaration of conformity | Compliant - since 1450 - Schneider Electric declaration of conformity |
| Reference not containing SVHC above the threshold | Reference not containing SVHC above the threshold |
| Available | Available |
| Available | Available |
| WARNING: This product can expose you to chemicals including: | WARNING: This product can expose you to chemicals including: |
| Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. | Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. |
| For more information go to www.p65warnings.ca.gov | For more information go to www.p65warnings.ca.gov |

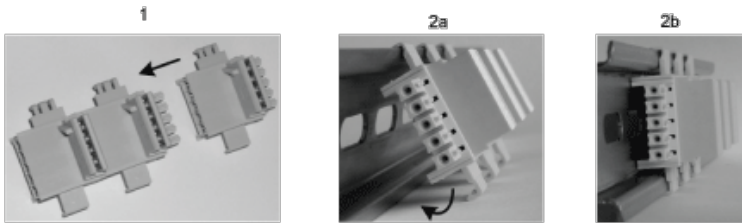
Dimensions

Screw Terminal



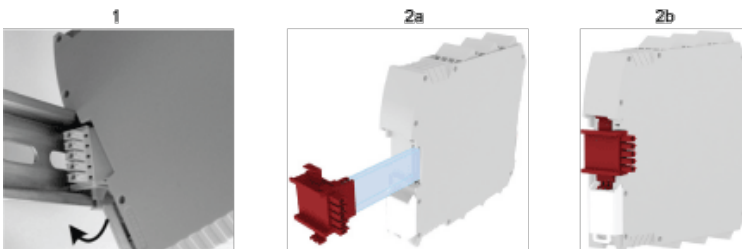
Mounting Safety Controller CPU with Module(s)

Mount BackPlane Connector on Rail



- 1 : Connect as much Backplane Connector as module to be install.
- 2 : Fix the connectors to the rail (Top first).

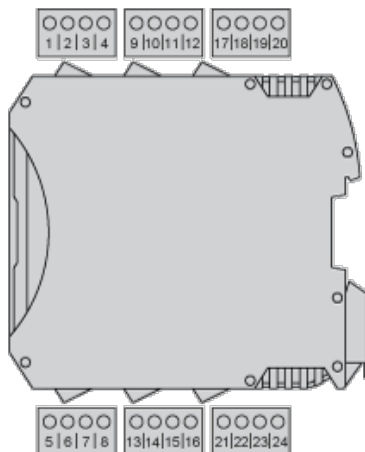
Mount Safety Controller CPU with Other Module(s)



- 1 : Mount controller CPU and modules on rail.
- 2 : Make sure that the controller CPU or the module(s) are plugged on the BackPlane connector.

Wiring

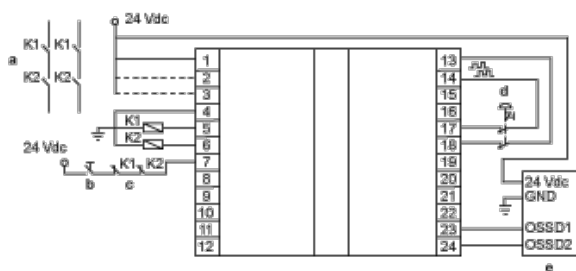
Terminal Designation



| Terminal | Signal | Description |
|----------|--------|-------------|
|----------|--------|-------------|

| | | |
|----|--------------|-------------------------------|
| 1 | 24 VDC | 24 Vdc power supply |
| 2 | NODE_ADDR0 | Node selection |
| 3 | NODE_ADDR1 | |
| 4 | 0 VDC | 0 Vdc power supply |
| 5 | OSSD1_A | Static output 1 |
| 6 | OSSD1_B | |
| 7 | RESTART1 | Feedback/Restart 1 |
| 8 | OUT_STATUS 1 | Programmable digital output |
| 9 | OSSD2_A | Static output 2 |
| 10 | OSSD2_B | |
| 11 | RESTART2 | Feedback/Restart 2 |
| 12 | OUT_STATUS 2 | Programmable digital output |
| 13 | OUT_TEST1 | Short circuit detected output |
| 14 | OUT_TEST2 | |
| 15 | OUT_TEST3 | |
| 16 | OUT_TEST4 | |
| 17 | INPUT1 | Digital input 1 |
| 18 | INPUT2 | Digital input 2 |
| 19 | INPUT3 | Digital input 3 |
| 20 | INPUT4 | Digital input 4 |
| 21 | INPUT5 | Digital input 5 |
| 22 | INPUT6 | Digital input 6 |
| 23 | INPUT7 | Digital input 7 |
| 24 | INPUT8 | Digital input 8 |

Wiring Example



- a : Contactors
- b : Restart
- c : Feedback
- d : Emergency stop
- e : Light curtain

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9