



Price\* : 200.00 GBP



### 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 EN/ISO 13849-1<br>Can reach PL = e conforming to EN/ISO 13849-1<br>Can reach SIL 3 conforming to EN/IEC 61508<br>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<br>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<br>1 LED green with RUN marking for RUN (status)                                                                                          |

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | 1 LED red with E IN marking for internal error<br>1 LED red with E EX marking for external error<br>2 LEDs orange with ADDR marking for node address<br>2 LEDs green/red with RELAY K1...K2 marking for relay contact                                                                                                                                                                                                                     |
| Connections - terminals | 1 spring clamp terminals, removable terminal block<br>2 spring clamp terminals, removable terminal block                                                                                                                                                                                                                                                                                                                                  |
| Cable cross section     | 0.2...2.5 mm <sup>2</sup> - AWG 24...AWG 14 flexible cablewithout cable end<br>0.25...2.5 mm <sup>2</sup> - AWG 23...AWG 14 flexible cablewith cable end, with bezel<br>0.25...2.5 mm <sup>2</sup> - AWG 23...AWG 14 flexible cablewith cable end, without bezel<br>0.2...2.5 mm <sup>2</sup> - AWG 24...AWG 14 solid cablewithout cable end<br>0.5...1 mm <sup>2</sup> - 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                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Product weight          | 0.3 kg                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## Environment

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards                              | EN/IEC 61800-5-1<br>EN/IEC 61508<br>IEC 62061<br>EN/ISO 13849-1                                                                                                                                                                                                                                                                                                                                                                             |
| Product certifications                 | CULus<br>RCM<br>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 EN/IEC 61800-5-1                                                                                                                                                                                                                                                                                                                                                                                                         |
| Safety reliability data                | B10d = 300000 utilisation category AC-15 230 V, , <3 A conforming to EN/ISO 13849-1<br>B10d = 750000 utilisation category AC-15 230 V, , <1 A conforming to EN/ISO 13849-1<br>B10d = 1000000 utilisation category DC-13 24 V, , <2 A conforming to EN/ISO 13849-1                                                                                                                                                                           |
| 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<br>Electrostatic discharge immunity test - test level: 20 kV (on air) conforming to EN/IEC 61000-4-2<br>Susceptibility to electromagnetic fields - test level: 10 V/m (80...1000 MHz) conforming to EN/IEC 61000-4-3<br>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 for 16 ms (1000 shocks on each axis) conforming to EN/IEC 61496-1                                                                                                                                                                                                                                                                                                                                                                     |
| Electrical durability                  | 20000000 cycles                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Mechanical durability                  | 20000000 cycles                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Service life                           | 20 year(s)                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## Offer Sustainability

|                            |                                                                                                   |
|----------------------------|---------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                             |
| REACH free of SVHC         | Yes                                                                                               |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a> |
| Mercury free               | Yes                                                                                               |
| RoHS exemption information | <a href="#">Yes</a>                                                                               |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a>                                                            |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                     |
| Circularity Profile        | <a href="#">End of Life Information</a>                                                           |

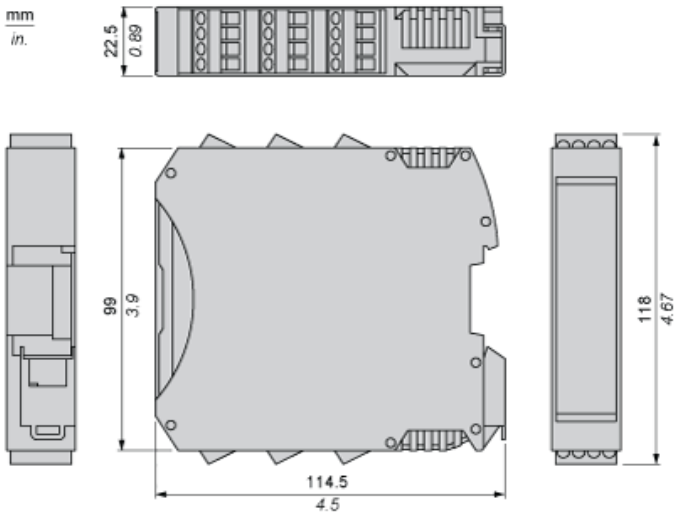
|      |                                                                                                                             |
|------|-----------------------------------------------------------------------------------------------------------------------------|
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
|------|-----------------------------------------------------------------------------------------------------------------------------|

### Contractual warranty

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

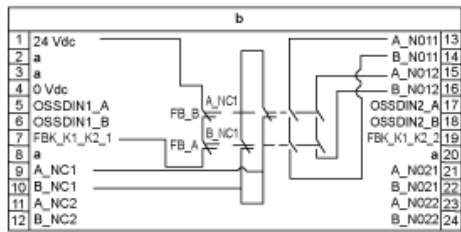
Dimensions

Spring Terminal



Wiring

Wiring Example



a : Not connected  
b : Safe Relay output module