

## XPSATR39530P

module XPSATR - Emergency stop and protective guard - 115-230VAC, time delay 30s



### Main

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product              | Preventa Safety automation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Product or component type     | Preventa safety module                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Safety module name            | XPSATR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Safety module application     | For emergency stop and protective guard applications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Function of module            | Emergency stop monitoring 1-channel wiring<br>Emergency stop monitoring 2-channel wiring<br>Protective guard monitoring                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Safety level                  | Can reach PL e/category 4 conforming to EN/ISO 13849-1 instantaneous safety outputs<br>Can reach SILCL 3 conforming to EN/IEC 62061 time delay safety outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Safety reliability data       | DC > 99 % conforming to EN/ISO 13849-1<br>MTTFd = 85 years conforming to EN/ISO 13849-1<br>PFHd = 2E-9 1/h conforming to EN/IEC 62061                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Type of start                 | Automatic<br>Manual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Connections - terminals       | Captive screw clamp terminals, removable terminal block, clamping capacity: 1 x 0.25...1 x 2.5 mm <sup>2</sup> flexible cable with cable end, without bezel<br>Captive screw clamp terminals, removable terminal block, clamping capacity: 1 x 0.25...1 x 1.5 mm <sup>2</sup> flexible cable with cable end, with bezel<br>Captive screw clamp terminals, removable terminal block, clamping capacity: 2 x 0.25...2 x 1 mm <sup>2</sup> flexible cable with cable end, without bezel<br>Captive screw clamp terminals, removable terminal block, clamping capacity: 1 x 0.2...1 x 2.5 mm <sup>2</sup> solid or flexible cable without cable end<br>Captive screw clamp terminals, removable terminal block, clamping capacity: 2 x 0.2...2 x 1 mm <sup>2</sup> solid or flexible cable without cable end<br>Captive screw clamp terminals, removable terminal block, clamping capacity: 2 x 0.5...2 x 1.5 mm <sup>2</sup> flexible cable with cable end, with bezel |
| Output type                   | Relay instantaneous opening 3 NO, volt-free<br>Relay time delay opening 3 NO, volt-free                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Number of additional circuits | 1 NC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| [Us] rated supply voltage     | 115...230 V AC (- 15...10 %)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

### Complementary

|                                             |                                                                                                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Synchronisation time between inputs         | 1 s                                                                                                             |
| Supply frequency                            | 50/60 Hz                                                                                                        |
| Power consumption in W                      | 3.2 W AC                                                                                                        |
| Power consumption in VA                     | <= 6.3 VA                                                                                                       |
| Input protection type                       | Internal, electronic                                                                                            |
| Time delay range                            | 0...30 s                                                                                                        |
| [Uc] control circuit voltage                | 24 V DC                                                                                                         |
| Breaking capacity                           | 3 A at 24 V (DC-13) for relay output                                                                            |
| Output thermal current                      | 6 A for instantaneous and time delay outputs                                                                    |
| [Ith] conventional free air thermal current | 8 A                                                                                                             |
| Associated fuse rating                      | 6 A fuse type gG for instantaneous and time delay outputs conforming to EN/IEC 60947-5-1, DIN VDE 0660 part 200 |
| Minimum output current                      | 10 mA for relay output                                                                                          |
| Minimum output voltage                      | 17 V for relay output                                                                                           |
| Response time on input open                 | <= 20 ms                                                                                                        |

|                                        |                                                                                        |
|----------------------------------------|----------------------------------------------------------------------------------------|
| [Ui] rated insulation voltage          | 300 V                                                                                  |
| [Uimp] rated impulse withstand voltage | 4 kV overvoltage category III conforming to EN/IEC 60947-5-1, DIN VDE 0110 parts 1 & 2 |
| Local signalling                       | 5 LEDs                                                                                 |
| Mounting support                       | 35 mm symmetrical DIN rail                                                             |

### Environment

|                                       |                                                                                              |
|---------------------------------------|----------------------------------------------------------------------------------------------|
| standards                             | EN 60204-1<br>EN/IEC 60947-5-1<br>EN/IEC 61496-1<br>EN/ISO 13849-1<br>EN 62061<br>EN 50156-1 |
| product certifications                | CSA<br>TÜV<br>UL                                                                             |
| IP degree of protection               | IP20 (terminals) conforming to EN/IEC 60529<br>IP40 (enclosure) conforming to EN/IEC 60529   |
| ambient air temperature for operation | -25...55 °C                                                                                  |
| ambient air temperature for storage   | -25...75 °C                                                                                  |

### Contractual warranty

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

### Dimensions

