



## Main

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|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product              | Preventa Safety automation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Product or component type     | Preventa safety module                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Safety module name            | XPSATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Safety module application     | For emergency stop and switch monitoring                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Function of module            | Emergency stop button with 2 NC contacts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Safety level                  | Can reach PL d/category 3 conforming to EN/ISO 13849-1 time delay safety outputs<br>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 instantaneous safety outputs<br>Can reach SILCL 2 conforming to EN/IEC 62061 time delay safety outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Safety reliability data       | DC > 99 % conforming to EN/ISO 13849-1 instantaneous safety outputs<br>MTTFd = 134.8 years conforming to EN/ISO 13849-1 instantaneous safety outputs<br>MTTFd = 54.5 years conforming to EN/ISO 13849-1 time delay safety outputs<br>DC > 98.4 conforming to EN/ISO 13849-1 time delay safety outputs<br>PFHd = 6.81E-9 1/h conforming to EN/IEC 62061 instantaneous safety outputs<br>PFHd = 1.96E-8 1/h conforming to EN/IEC 62061 time delay safety outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Type of start                 | Configurable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Connections - terminals       | 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 double bezel<br>Captive screw clamp terminals, removable terminal block, clamping capacity: 1 x 0.2...1 x 2.5 mm <sup>2</sup> flexible cable with cable end, with double bezel<br>Captive screw clamp terminals, removable terminal block, clamping capacity: 1 x 0.2...1 x 2.5 mm <sup>2</sup> solid cable with cable end, with double bezel<br>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, with double bezel<br>Captive screw clamp terminals, removable terminal block, clamping capacity: 2 x 0.2...2 x 1 mm <sup>2</sup> solid cable with cable end, with double bezel<br>Captive screw clamp terminals, removable terminal block, clamping capacity: 2 x 0.2...2 x 1.5 mm <sup>2</sup> flexible cable with cable end, with double 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, with double bezel |
| Output type                   | Relay instantaneous opening 2 NO, volt-free<br>Relay time delay opening 3 NO, volt-free                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Number of additional circuits | 3 solid state outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| [Us] rated supply voltage     | 24 V DC (- 15...10 %)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## Complementary

|                                     |                      |
|-------------------------------------|----------------------|
| Synchronisation time between inputs | 75 ms                |
| Supply frequency                    | 50/60 Hz             |
| Power consumption in W              | <= 8 W               |
| Input protection type               | Internal, electronic |

|                                             |                                                                                                                                                                                                   |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Time delay range                            | 0...30 s                                                                                                                                                                                          |
| [Uc] control circuit voltage                | 24 V DC                                                                                                                                                                                           |
| Breaking capacity                           | C300: 180 VA, AC-15 (holding) relay output<br>C300: 1800 VA, AC-15 (inrush) relay output                                                                                                          |
| Breaking capacity                           | 1 A at 24 V (DC-13) time constant: 50 ms for relay output                                                                                                                                         |
| Output thermal current                      | 2.5 A time delay outputs<br>5 A instantaneous outputs                                                                                                                                             |
| [Ith] conventional free air thermal current | 8 A                                                                                                                                                                                               |
| Associated fuse rating                      | 4 A fuse type gG for time delay outputs conforming to EN/IEC 60947-5-1, DIN VDE 0660 part 200<br>6 A fuse type gG for instantaneous outputs conforming to EN/IEC 60947-5-1, DIN VDE 0660 part 200 |
| Minimum output current                      | 10 mA relay output                                                                                                                                                                                |
| Minimum output voltage                      | 17 V relay output                                                                                                                                                                                 |
| Response time on input open                 | <= 20 ms                                                                                                                                                                                          |
| [Ui] rated insulation voltage               | 300 V (degree of pollution: 2) conforming to DIN VDE 0110 part 1<br>300 V (degree of pollution: 2) conforming to IEC 60947-5-1                                                                    |
| [Uimp] rated impulse withstand voltage      | 4 kV overvoltage category III conforming to IEC 60947-5-1<br>4 kV overvoltage category III conforming to DIN VDE 0110 part 1                                                                      |
| Local signalling                            | 4 LEDs                                                                                                                                                                                            |
| Mounting support                            | 35 mm symmetrical DIN rail                                                                                                                                                                        |
| Product weight                              | 0.62 lb(US) (0.28 kg)                                                                                                                                                                             |

### Environment

|                                       |                                                                                            |
|---------------------------------------|--------------------------------------------------------------------------------------------|
| standards                             | EN/IEC 60204-1<br>EN/IEC 60947-5-1<br>EN/ISO 13850                                         |
| 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 | 14...131 °F (-10...55 °C)                                                                  |
| ambient air temperature for storage   | -13...185 °F (-25...85 °C)                                                                 |

### Offer Sustainability

|                                                                                                                                  |                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| 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 <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                                    | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                                    |

### Contractual warranty

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

### Dimensions

