



### Main

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of Product              | Preventa Safety automation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Product or Component Type     | Preventa safety module                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Safety module name            | XPSBA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Safety module application     | For electrical monitoring of two-hand control stations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Function of module            | Monitoring two-hand control station                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Safety level                  | Can reach PL c/category 1 EN/ISO 13849-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Safety reliability data       | MTTFd = 160.8 years EN/ISO 13849-1<br>PFHd = 7.1E-7 1/h EN/IEC 62061                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Connections - terminals       | Captive screw clamp terminals, 1 x 0.14...1 x 2.5 mm <sup>2</sup> flexible without cable end<br>Captive screw clamp terminals, 1 x 0.14...1 x 2.5 mm <sup>2</sup> solid without cable end<br>Captive screw clamp terminals, 1 x 0.25...1 x 1.5 mm <sup>2</sup> flexible with cable end, with bezel<br>Captive screw clamp terminals, 1 x 0.25...1 x 2.5 mm <sup>2</sup> flexible with cable end, without bezel<br>Captive screw clamp terminals, 2 x 0.14...2 x 0.75 mm <sup>2</sup> flexible without cable end<br>Captive screw clamp terminals, 2 x 0.14...2 x 0.75 mm <sup>2</sup> solid without cable end<br>Captive screw clamp terminals, 2 x 0.25...2 x 1 mm <sup>2</sup> flexible with cable end, without bezel<br>Captive screw clamp terminals, 2 x 0.5...2 x 1.5 mm <sup>2</sup> flexible with cable end, with double bezel |
| Output type                   | Relay, 1 NO, volt-free                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Number of additional circuits | 1 NC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| [Us] Rated Supply Voltage     | 24 V AC - 20...10 %<br>24 V DC - 20...20 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

### Complementary

|                                             |                                                                                                                                   |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Synchronisation time between inputs         | 0.5 s                                                                                                                             |
| Supply frequency                            | 50/60 Hz                                                                                                                          |
| Power Consumption in VA                     | 20 VA                                                                                                                             |
| Input protection type                       | Internal, electronic                                                                                                              |
| Number of Inputs                            | 1 NC + NO                                                                                                                         |
| Input voltage                               | 18 V                                                                                                                              |
| Input current                               | 30 mA                                                                                                                             |
| Input compatibility                         | Two-hand control EN 574/ISO 13851-III A                                                                                           |
| [Uc] control circuit voltage                | 24 V DC                                                                                                                           |
| Breaking capacity                           | 180 VA holding AC-15 C300 relay output<br>1800 VA inrush AC-15 C300 relay output                                                  |
| Breaking capacity                           | 1.5 A 24 V DC-13)50 ms relay output                                                                                               |
| [Ith] conventional free air thermal current | 5 A                                                                                                                               |
| Associated fuse rating                      | 4 A gG relay output EN/IEC 60947-5-1, DIN VDE 0660 part 200<br>6 A fast blow relay output EN/IEC 60947-5-1, DIN VDE 0660 part 200 |
| Minimum output current                      | 10 mA relay output                                                                                                                |
| Minimum output voltage                      | 17 V relay output                                                                                                                 |
| Maximum response time on input open         | 25 ms                                                                                                                             |
| [Ui] rated insulation voltage               | 300 V 2)IEC 60947-5-1<br>300 V 2)DIN VDE 0110 part 1                                                                              |

|                                        |                                                        |
|----------------------------------------|--------------------------------------------------------|
| [Uimp] rated impulse withstand voltage | 4 KV III IEC 60947-5-1<br>4 kV III DIN VDE 0110 part 1 |
| Local signalling                       | 2 LEDs                                                 |
| Mounting Support                       | 35 mm symmetrical DIN rail                             |
| Net Weight                             | 0.44 lb(US) (0.2 kg)                                   |

## Environment

|                                       |                                                                   |
|---------------------------------------|-------------------------------------------------------------------|
| Standards                             | EN/IEC 60947-5-1<br>EN 574 type III A/ISO 13851<br>EN/IEC 60204-1 |
| Product certifications                | CSA<br>UL<br>TÜV                                                  |
| IP degree of protection               | IP20 terminals)EN/IEC 60529<br>IP40 enclosure)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)                                        |

## Ordering and shipping details

|                     |                                 |
|---------------------|---------------------------------|
| Category            | 22477-SAFETY MODULES (PREVENTA) |
| Discount Schedule   | SAF2                            |
| GTIN                | 00785901193746                  |
| Package weight(Lbs) | 0.36 lb(US) (0.164 kg)          |
| Returnability       | No                              |
| Country of origin   | ID                              |

## Packing Units

|                  |          |
|------------------|----------|
| Package 1 Height | 0.300 dm |
| Package 1 width  | 1.300 dm |
| Package 1 Length | 0.850 dm |

## Contractual warranty

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

# Mouser Electronics

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