

XPSAR311144

module XPSAR - Emergency stop - 24 V AC DC

Product availability: Non-Stock - Not normally stocked in distribution facility



Main

| | |
|-------------------------------|---|
| Commercial Status | Commercialised |
| Range of product | Preventa Safety automation |
| Product or component type | Preventa safety module |
| Safety module name | XPSAR |
| Safety module application | For emergency stop, switch and safety light curtain monitoring |
| Function of module | Monitoring of electro-sensitive protection equipment (ESPE) Monitoring of a movable guard associated with 2 switches and automatic start Monitoring of a movable guard Emergency stop monitoring 1-channel wiring Emergency stop with 2 NC contacts monitoring 2-channel wiring Multiple emergency stop monitoring 2-channel wiring |
| Safety level | Can reach SILCL 3 conforming to EN/IEC 62061 Can reach PL e/category 4 conforming to EN/ISO 13849-1 |
| Safety reliability data | PFHd = 2.22E-9 1/h conforming to EN/IEC 62061 MTTFd = 277.8 years conforming to EN/ISO 13849-1 DC > 99 % conforming to EN/ISO 13849-1 |
| Type of start | Configurable |
| Connections - terminals | Captive screw clamp terminals, clamping capacity: 2 x 0.5...2 x 1.5 mm ² flexible cable with cable end, with double bezel Captive screw clamp terminals, clamping capacity: 2 x 0.25...2 x 1 mm ² flexible cable with cable end, with double bezel Captive screw clamp terminals, clamping capacity: 2 x 0.14...2 x 0.75 mm ² solid cable with cable end, with double bezel Captive screw clamp terminals, clamping capacity: 2 x 0.14...2 x 0.75 mm ² flexible cable with cable end, with double bezel Captive screw clamp terminals, clamping capacity: 1 x 0.25...1 x 2.5 mm ² flexible cable with cable end, with double bezel Captive screw clamp terminals, clamping capacity: 1 x 0.25...1 x 1.5 mm ² flexible cable with cable end, with double bezel Captive screw clamp terminals, clamping capacity: 1 x 0.14...1 x 2.5 mm ² solid cable with cable end, with double bezel Captive screw clamp terminals, clamping capacity: 1 x 0.14...1 x 2.5 mm ² flexible cable with cable end, with double bezel |
| Output type | Relay instantaneous opening 7 NO, volt-free |
| Number of additional circuits | 2 NC + 4 solid state outputs |
| [Us] rated supply voltage | 24 V DC (- 15...10 %) 24 V AC (- 15...10 %) |

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.

Complementary

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|---|--|
| Synchronisation time between inputs | 100 ms |
| Supply frequency | 50/60 Hz |
| Power consumption in W | <= 4 W DC |
| Power consumption in VA | <= 7 VA AC |
| Input protection type | Internal, electronic |
| Control circuit voltage | 24 V DC |
| Line resistance | 50 Ohm |
| Breaking capacity | C300: 3600 VA, AC-15 (inrush) for relay output C300: 360 VA, AC-15 (holding) for relay output |
| Breaking capacity | 2 A at 24 V (DC-13) time constant: 50 ms for relay output 20 mA at 24 V |
| Output thermal current | 10 A per relay for relay output |
| [Ith] conventional free air thermal current | 40 A |
| Associated fuse rating | 6 A fuse type gG or gL for relay output conforming to EN/IEC 60947-5-1, DIN VDE 0660 part 200 10 A fuse type fast blow for relay output conforming to EN/IEC 60947-5-1, DIN VDE 0660 part 200 |
| Minimum output current | 170 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 (degree of pollution: 2) conforming to DIN VDE 0110 part 1 300 V (degree of pollution: 2) conforming to IEC 60947-5-1 |
| [Uimp] rated impulse withstand voltage | 4 kV overvoltage category III conforming to DIN VDE 0110 part 1 4 kV overvoltage category III conforming to IEC 60947-5-1 |
| Local signalling | 4 LEDs |
| Current consumption | 20 mA at 24 V DC (on power supply) |
| Mounting support | 35 mm symmetrical DIN rail |
| Product weight | 0.66 lb(US) (0.3 kg) |

Environment

| | |
|---------------------------------------|--|
| Standards | EN 1088/ISO 14119 EN/IEC 60204-1 EN/IEC 60947-5-1 EN/ISO 13850 |
| Product certifications | CSA TÜV UL |
| IP degree of protection | IP40 (enclosure) conforming to EN/IEC 60529 IP20 (terminals) 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) |

Ordering and shipping details

| | |
|-----------------------|---|
| Category | 22477 - SAFETY MODULES (PREVENTA) |
| Discount Schedule | I11 |
| GTIN | 00785901669487 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.66 |
| Product availability | Non-Stock - Not normally stocked in distribution facility |
| Returnability | N |
| Country of origin | ID |

Contractual warranty

| | |
|--------|-----------|
| Period | 18 months |
|--------|-----------|

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