

# Product data sheet

## Characteristics

# XPSDMB1132

## module XPSDM - 2 coded magnetic switch - 24 V DC

Product availability: Stock - Normally stocked in distribution facility

Price\*: 300.00 USD



### Main

|                               |  |
|-------------------------------|--|
| Commercial Status             | Commercialised   |
| Range of product              | Preventa Safety automation   |
| Product or component type     | Preventa safety module   |
| Safety module name            | XPSDMB   |
| Safety module application     | Monitoring 2 coded magnetic switches   |
| Function of module            | Coded magnetic switch monitoring   |
| Safety level                  | Can reach SIL CL 3 conforming to EN/IEC 62061<br>Can reach PL e/category 4 conforming to EN/ISO 13849-1                                    |
| Safety reliability data       | PFHd = 3.92E-9 1/h conforming to EN/IEC 62061<br>DC > 99 % conforming to EN/ISO 13849-1<br>MTTFd = 83.1 years conforming to EN/ISO 13849-1 |
| [Us] rated supply voltage     | 24 V DC (- 20...20 %)  |
| Output type                   | Relay 2 NO, volt-free  |
| Number of additional circuits | 2 solid state outputs  |

### Complementary

|   |   |
|---|---|
| Synchronisation time between inputs         | < 0.5 s   |
| Power consumption                           | <= 2.5 W  |
| Input protection type                       | Internal, electronic  |
| Control circuit voltage                     | 28 V DC   |
| Line resistance                             | 100 Ohm   |
| Breaking capacity                           | C300: inrush 1800 VA AC-15 for relay output<br>C300: holding 180 VA AC-15 for relay output  |
| Breaking capacity                           | 1.5 A/24 V - L/R = 50 ms, DC-13 for relay output  |
| Output thermal current                      | 6 A per relay for relay output  |
| [Ith] conventional free air thermal current | <= 12 A   |
| Associated fuse rating                      | 6 A fast blow for relay output conforming to EN/IEC 60947-5-1, DIN VDE 0660 part 200<br>4 A gG for relay output 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, degree of pollution 2 conforming to DIN VDE 0110 part 1<br>300 V, degree of pollution 2 conforming to IEC 60947-5-1  |
| [Uiimp] rated impulse withstand voltage     | 4 kV overvoltage category III, conforming to DIN VDE 0110 part 1<br>4 kV overvoltage category III, conforming to IEC 60947-5-1  |
| Local signalling                            | 3 LEDs  |

|                         |  |
|-------------------------|--|
| Connections - terminals | Captive screw clamp terminals, 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, 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, clamping capacity: 2 x 0.14...2 x 0.75 mm <sup>2</sup> solid cable without cable end<br>Captive screw clamp terminals, clamping capacity: 2 x 0.14...2 x 0.75 mm <sup>2</sup> flexible cable without cable end<br>Captive screw clamp terminals, 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, 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, clamping capacity: 1 x 0.14...1 x 2.5 mm <sup>2</sup> solid cable without cable end<br>Captive screw clamp terminals, clamping capacity: 1 x 0.14...1 x 2.5 mm <sup>2</sup> flexible cable without cable end |
| Current consumption     | 8 mA / 28 V DC on power supply   |
| Mounting support        | 35 mm symmetrical DIN rail   |
| Product weight          | 0.55 lb(US) (0.25 kg)  |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | EN 1088/ISO 14119<br>EN/IEC 60204-1<br>EN/IEC 60947-5-1                                  |
| Product certifications                | CSA<br>TÜV<br>UL   |
| IP degree of protection               | IP40(Enclosure) conforming to EN/IEC 60529<br>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                  | 00785901493259                                    |
| Nbr. of units in pkg. | 1   |
| Package weight(Lbs)   | 0.46  |
| Product availability  | Stock - Normally stocked in distribution facility |
| Returnability         | Y   |
| Country of origin     | ID  |

## Contractual warranty

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