



Main

| | |
|---------------------------|---|
| Range of product | Preventa Safety automation |
| Product or component type | Digital input card |
| Safety module name | XPS MF60 |
| Safety use category | Category 4 maximum conforming to EN 954-1 Performance level e conforming to EN/ISO 13849-1 SIL 3 conforming to EN/IEC 61508 |
| Function of module | Monitoring safety detection Monitoring safety dialogue |
| Standards | DIN V 19250 DIN V 0801 IEC 61131 EN 50156 pending |
| [Us] rated supply voltage | 24 V DC (- 15...20 %) |
| Group of channels | 3 groups of 8 discrete inputs |
| Discrete input number | 24, isolated |
| Connections - terminals | Removable screw terminal block, clamping capacity: 2 x 0.5 mm ² ,AWG 20 flexible with cable end Removable screw terminal block, clamping capacity: 1 x 0.14...1 x 1.5 mm ² ,AWG 28...AWG 16 flexible without cable end Removable screw terminal block, clamping capacity: 1 x 0.25...1 x 0.5 mm ² ,AWG 22...AWG 20 flexible with cable end Removable screw terminal block, clamping capacity: 1 x 0.25...1 x 1.5 mm ² ,AWG 22...AWG 16 flexible without cable end Removable screw terminal block, clamping capacity: 2 x 0.14...2 x 0.5 mm ² ,AWG 28...AWG 20 solid without cable end Removable screw terminal block, clamping capacity: 2 x 0.14...2 x 0.75 mm ² ,AWG 28...AWG 18 flexible without cable end Removable screw terminal block, clamping capacity: 2 x 0.25...2 x 0.34 mm ² ,AWG 22 flexible without cable end Removable screw terminal block, clamping capacity: 1 x 0.14...1 x 1.5 mm ² ,AWG 28...AWG 16 solid without cable end |

Complementary

| | |
|----------------------------|----------------------|
| Marking | CE |
| Discrete input voltage | 110 V DC 127 V AC |
| Voltage state 0 guaranteed | <= 20 V |
| Voltage state 1 guaranteed | >= 79 V |
| Current state 1 guaranteed | >= 2.2 mA |

| | |
|---------------------------|--|
| Number of terminal blocks | 3 |
| Current consumption | 0.05 A 3.3 V DC rack 0.1 A 24 V DC power supply |
| Product weight | 0.26 kg |

Environment

| | |
|---------------------------------------|---|
| Product certifications | TÜV C-Tick CSA UL |
| IP degree of protection | IP20 with covering plate on unused in rack I/O card slots |
| Ambient air temperature for operation | 0...60 °C conforming to EN/IEC 61131-2 |
| Ambient air temperature for storage | -40...85 °C conforming to EN/IEC 61131-2 |
| Relative humidity | 95 % (supply not connected) |
| Operating altitude | < 2000 m |
| Pollution degree | 2 |
| Electrical shock protection class | Class II conforming to IEC 61131-2 |
| Electromagnetic compatibility | EN/IEC 61131-2 |
| Vibration resistance | 1 gn (f = 10...150 Hz) conforming to EN 61131-2 (10 cycles per axis) |
| Shock resistance | 15 gn for 11 ms (2 cycles per axis), conforming to EN 61131-2 |
| Resistance to electrostatic discharge | 4 kV contact conforming to EN/IEC 61000-4-2 8 kV on air conforming to EN/IEC 61000-4-2 |
| Resistance to electromagnetic fields | 10 V/m (26...1000 MHz), amplitude modulation 80 % conforming to EN/IEC 61000-4-3 |

Contractual warranty

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