Product data sheet
Characteristics

XPSAK361144
module XPSAK - Emergency stop - 110 V AC

Main

Range of product	Preventa Safety automation
Product or component type	Preventa safety module
Safety module name	XPSAK
Safety module application	For emergency stop, switch, sensing mat/edges or safety light curtain monitoring
Function of module	Monitoring of electro-sensitive protection equipment (ESPE) Multiple emergency stop monitoring 2-channel wiring Emergency stop monitoring 1-channel wiring Monitoring of a movable guard associated with 2 switches and automatic start Sensing mat and edges monitoring Emergency stop with 2 NC contacts monitoring 2-channel wiring Proximity sensor monitoring Monitoring of a movable guard
Safety level	Can reach PL e/category 4 conforming to EN/ISO 13849-1 Can reach SILCL 3 conforming to EN/IEC 62061
Safety reliability data	DC > 99 % conforming to EN/ISO 13849-1 MTTFd = 154.5 years conforming to EN/ISO 13849-1 PFHd = 7.39E-9 1/h conforming to EN/IEC 62061
Type of start	Configurable
Connections - terminals	Captive screw clamp terminals, clamping capacity: 2 x 0.5...2 x 1.5 mm² flexible cable with cable end, with double bezel Captive screw clamp terminals, clamping capacity: 1 x 0.14...1 x 2.5 mm² flexible cable with cable end, with double bezel Captive screw clamp terminals, clamping capacity: 1 x 0.14...1 x 2.5 mm² solid cable with cable end, with double bezel Captive screw clamp terminals, clamping capacity: 1 x 0.25...1 x 1.5 mm² flexible cable with cable end, with double bezel Captive screw clamp terminals, clamping capacity: 1 x 0.25...1 x 2.5 mm² flexible cable with cable end, with double bezel Captive screw clamp terminals, clamping capacity: 2 x 0.14...2 x 0.75 mm² flexible cable with cable end, with double bezel Captive screw clamp terminals, clamping capacity: 2 x 0.14...2 x 0.75 mm² solid cable with cable end, with double bezel Captive screw clamp terminals, clamping capacity: 2 x 0.25...2 x 1 mm² flexible cable with cable end, with double bezel
Output type	Relay instantaneous opening 3 NO, volt-free
Number of additional circuits	1 NC + 4 solid state outputs
[Us] rated supply voltage	110 V AC (- 15...10 %) 24 V DC (- 15...10 %)

Complementary

Synchronisation time between inputs	Unlimited (manual start) 2 or 4 s depending of wiring (automatic start)
Supply frequency	50/60 Hz
Power consumption in VA	<= 6 VA AC
Input protection type	Internal, electronic
[Uc] control circuit voltage	24 V DC
Line resistance	28 Ohm
Breaking capacity	C300 : 180 VA, AC-15 (holding) for relay output C300 : 1800 VA, AC-15 (inrush) for relay output
Breaking capacity	1.5 A at 24 V (DC-13) time constant: 50 ms for relay output
Output thermal current	6 A per relay for relay output
[Ith] conventional free air thermal current	18 A
Associated fuse rating	4 A fuse type gG or gL for relay output conforming to EN/IEC 60947-5-1, DIN VDE 0660 part 200 6 A fuse type fast blow 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	<= 40 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 IEC 60947-5-1 4 kV overvoltage category III conforming to DIN VDE 0110 part 1
Local signalling	4 LEDs
Current consumption	30 mA at 24 V AC (on power supply)
Mounting support	35 mm symmetrical DIN rail
Product weight	0.4 kg

Environment
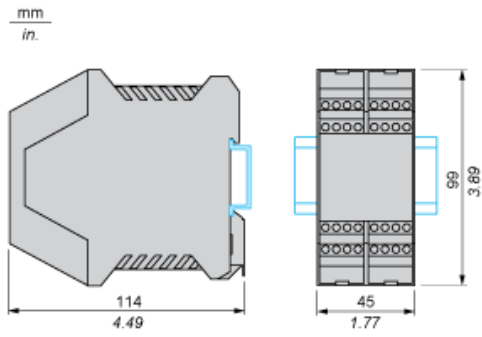
Standards	EN/IEC 60947-5-1 EN/IEC 60204-1 EN 1088/ISO 14119 EN/ISO 13850
Product certifications	UL CSA TÜV
IP degree of protection	IP20 (terminals) conforming to EN/IEC 60529 IP40 (enclosure) conforming to EN/IEC 60529
Ambient air temperature for operation	-10...55 °C
Ambient air temperature for storage	-25...85 °C

Contractual warranty

Warranty period	18 months

XPSAK361144

Dimensions

mm
in.

114
4.49

45
1.77

99
3.89

Wiring Diagrams

Refer to the Instruction Sheet

To download the instruction sheet, follow below procedure:

1   Click on Download & Documents.
2   Click on Instruction sheet.