Product datasheet
Characteristics

XPSAR351144P
module XPSAR - Emergency stop - 115 V AC

Main

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	Emergency stop with 2 NC contacts monitoring 2-channel wiring Monitoring of a movable guard Monitoring of electro-sensitive protection equipment (ESPE) Emergency stop monitoring 1-channel wiring Monitoring of a movable guard associated with 2 switches and automatic start Multiple emergency stop monitoring 2-channel wiring
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 = 277.8 years conforming to EN/ISO 13849-1 PFHd = 2.22E-9 1/h conforming to EN/IEC 62061
Type of start	Configurable
Connections - terminals	Captive screw clamp terminals, removable terminal block, clamping capacity: 2 x 0.5...2 x 1.5 mm² flexible cable with cable end, with double bezel Captive screw clamp terminals, removable terminal block, clamping capacity: 1 x 0.2...1 x 2.5 mm² flexible cable with cable end, with double bezel Captive screw clamp terminals, removable terminal block, clamping capacity: 1 x 0.2...1 x 2.5 mm² solid cable with cable end, with double bezel Captive screw clamp terminals, removable terminal block, clamping capacity: 1 x 0.25...1 x 2.5 mm² flexible cable with cable end, with double bezel Captive screw clamp terminals, removable terminal block, clamping capacity: 2 x 0.2...2 x 1 mm² solid cable with cable end, with double bezel Captive screw clamp terminals, removable terminal block, clamping capacity: 2 x 0.2...2 x 1.5 mm² flexible cable with cable end, with double bezel Captive screw clamp terminals, removable terminal block, clamping capacity: 2 x 0.25...2 x 1 mm² 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	115 V AC (- 15...15 %) 24 V DC (- 15...10 %)

Complementary

Synchronisation time between inputs	100 ms
Supply frequency	50/60 Hz
Power consumption in W	<= 4 W DC
Power consumption in VA	<= 9 VA AC
Input protection type	Internal, electronic
Control circuit voltage	24 V DC
Line resistance	50 Ohm
Breaking capacity	C300 : 360 VA, AC-15 (holding) for relay output C300 : 3600 VA, AC-15 (inrush) for relay output
Breaking capacity	20 mA at 24 V 2 A at 24 V (DC-13) time constant: 50 ms for relay output
Output thermal current	10 A per relay for relay output
[Ith] conventional free air thermal current	40 A
Associated fuse rating	10 A fuse type fast blow for relay output conforming to EN/IEC 60947-5-1, DIN VDE 0660 part 200 6 A fuse type gG or gL 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 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 DC (on power supply)
Mounting support	35 mm symmetrical DIN rail
Product weight	0.4 kg

Environment

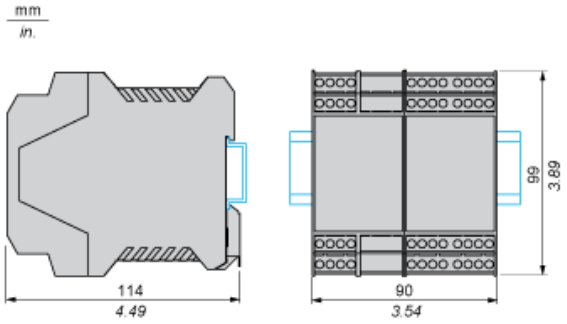
Standards	EN/ISO 13850 EN/IEC 60947-5-1 EN/IEC 60204-1 EN 1088/ISO 14119
Product certifications	CSA UL TÜV
IP degree of protection	IP20 (terminals) conforming to EN/IEC 60529 IP40 (enclosure) conforming to EN/IEC 60529
Ambient air temperature for operation	-10...55 °C
Ambient air temperature for storage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

Contractual warranty

Warranty period	18 months

XPSAR351144P

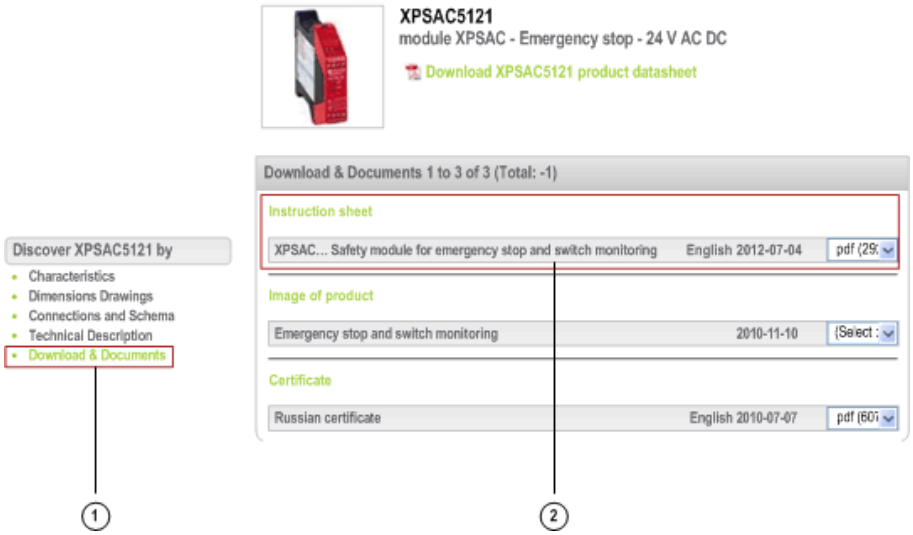
Dimensions



Wiring Diagrams

Refer to the Instruction Sheet

To download the instruction sheet, follow below procedure:



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