Product data sheet
Characteristics

XPSAR351144
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	Monitoring of a movable guard Monitoring of a movable guard associated with 2 switches and automatic start Emergency stop with 2 NC contacts monitoring 2-channel wiring Multiple emergency stop monitoring 2-channel wiring Monitoring of electro-sensitive protection equipment (ESPE) Emergency stop monitoring 1-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, 1 x 0.14...1 x 2.5 mm² flexible with cable end, with double bezel Captive screw clamp terminals, 1 x 0.14...1 x 2.5 mm² solid with cable end, with double bezel Captive screw clamp terminals, 1 x 0.25...1 x 1.5 mm² flexible with cable end, with double bezel Captive screw clamp terminals, 1 x 0.25...1 x 2.5 mm² flexible with cable end, with double bezel Captive screw clamp terminals, 2 x 0.14...2 x 0.75 mm² flexible with cable end, with double bezel Captive screw clamp terminals, 2 x 0.14...2 x 0.75 mm² solid with cable end, with double bezel Captive screw clamp terminals, 2 x 0.25...2 x 1 mm² flexible with cable end, with double bezel Captive screw clamp terminals, 2 x 0.5...2 x 1.5 mm² flexible with cable end, with double bezel
Output type	Relay instantaneous opening, 7 NO circuit(s), volt-free
Number of additional circuits	2 NC + 4 solid state outputs
[Us] rated supply voltage	115 V AC - 15...10 % 24 V DC - 15...10 %

Complementary

Synchronisation time between inputs	100 ms
Supply frequency	50/60 Hz
Maximum power consumption in W	4 W DC
Maximum power consumption in VA	9 VA AC
Input protection type	Internal, electronic
[Uc] control circuit voltage	24 V DC
Maximum line resistance	50 Ohm
Breaking capacity	360 VA holding AC-15 C300 relay output 3600 VA inrush AC-15 C300 relay output

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.
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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 fast blow for relay output conforming to EN/IEC 60947-5-1, DIN VDE 0660 part 200 6 A 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
Maximum response time on input open	20 ms
[Ui] rated insulation voltage	300 V (pollution degree 2) conforming to IEC 60947-5-1 300 V (pollution degree 2) conforming to DIN VDE 0110 part 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	20 mA at 24 V DC on power supply
Mounting support	35 mm symmetrical DIN rail
Net weight	0.4 kg

Environment

Standards	EN/IEC 60947-5-1 EN/IEC 60204-1 EN/ISO 13850 EN 1088/ISO 14119
Product certifications	CSA[RETURN]UL[RETURN]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

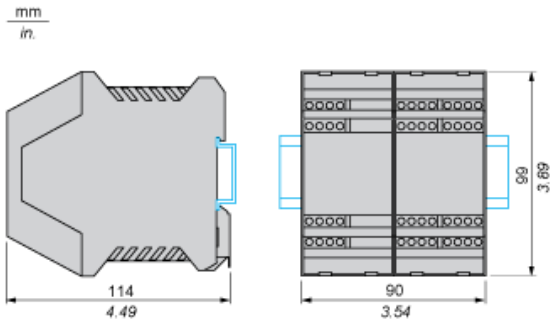
Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	12.45 cm
Package 1 Width	10.92 cm
Package 1 Length	10.41 cm
Package 1 Weight	0.71 kg
Unit Type of Package 2	S03
Number of Units in Package 2	12
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	9.075 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
PVC free	Yes

Contractual warranty

Warranty	18 months

Dimensions