XPSUAB11CC

Preventa module Cat.1 potential free NC/NC, NO/NC & PNP/PNP 24vac/dc spring





Main

Dance of anodicat	Preventa Safety automation			
Range of product	Preventa Safety automation			
Product or component type	Preventa safety module			
Safety module name	XPSUAB			
Safety module application	For electrical monitoring of two-hand control station For application with safety switchover contact For emergency stop, guard and light curtain monitoring Monitoring antivalent contacts			
Function of module	Emergency stop monitoring 1-channel wiring Guard monitoring 1-channel wiring Monitoring 1 PNP sensor Monitoring two-hand control station type IIIA Magnetic switch monitoring Light curtain monitoring RFID switch Monitoring of electro-sensitive protection equipment (ESPE) Proximity sensor monitoring			
Safety level	Can reach PL c/category 1 conforming to ISO 13849-1 Can reach SILCL 1 conforming to IEC 62061 Can reach SIL 1 conforming to IEC 61508			
Safety reliability data	MTTFd >= 30 years conforming to ISO 13849-1 Dcavg < 60 % conforming to ISO 13849-1 PFHd = 1177E-09 1/h conforming to ISO 13849-1 HFT = 0 conforming to IEC 62061 PFHd = 1177E-09 1/h conforming to IEC 62061 SFF > 60% conforming to IEC 62061 HFT=0 conforming to IEC 61508-1 PFHd = 1177E-09 1/h conforming to IEC 61508-1 SFF > 60% conforming to IEC 61508-1 Type = B conforming to IEC 61508-1			
Electrical circuit type	NC pair PNP pair Antivalent pair OSSD pair			
Connections - terminals	Removable spring terminal block, 0.22.5 mm² solid or flexible Removable spring terminal block, 0.252.5 mm² flexible with ferrule single conductor Removable spring terminal block, 0.21.5 mm² solid or flexible twin conductor Removable spring terminal block, 2 x 0.251 mm² flexible with ferrule without cable end, with bezel Removable spring terminal block, 2 x 0.51.5 mm² flexible with ferrule with cable end, with bezel			
[Us] rated supply voltage	24 V AC - 1510 % 24 V DC - 2020 %			

Complementary

0.5 s	
2.2 s	
Automatic/manual/monitored	
1.5 W 24 V DC	
3.5 VA 24 V AC 50/60 Hz	
Internal, electronic	
1 C/O	
	2.2 s Automatic/manual/monitored 1.5 W 24 V DC 3.5 VA 24 V AC 50/60 Hz Internal, electronic

Safety inputs	1 safety input 24 V DC 5 mA			
Maximum wire resistance	500 Ohm			
Input compatibility	Normally closed circuit conforming to ISO 14119 XC limit switch conforming to ISO 14119 Mechanical contact conforming to ISO 14119 Normally closed circuit conforming to ISO 13850 Antivalent pair conforming to ISO 14119 OSSD pair conforming to IEC 61496-1-2 Two-hand control conforming to EN 574/ISO 13851-III A 3-wire proximity sensors PNP			
[le] rated operational current	5 A AC-1 for normally open relay contact 3 A AC-15 for normally open relay contact 5 A DC-1 for normally open relay contact 3 A DC-13 for normally open relay contact 3 A AC-1 for normally closed relay contact 1 A AC-15 for normally closed relay contact 2 A DC-1 for normally closed relay contact 1 A DC-13 for normally closed relay contact			
Control Outputs	2 on/off configurable pulsed output			
Input/output type	Semiconductor pulsed diagnostic output 24 V DC, 20 mA Z1, not safety-related			
[Ith] conventional free air thermal current	3 A			
Associated fuse rating	6 A gG for relay output conforming to IEC 60947-1			
Minimum output current	10 mA for relay output			
Minimum output voltage	15 V for relay output			
Maximum response time on input open	20 ms			
[Ui] rated insulation voltage	250 V (pollution degree 2) conforming to EN/IEC 60947-1			
[Uimp] rated impulse withstand voltage	4 kV overvoltage category II conforming to EN/IEC 60947-1			
Local signalling	LED (green) for power ON LED (red) for error LED (yellow) for start LED (yellow) for safety status LED (yellow) for safety input S12 LED (yellow) for safety input S13			
Mounting support	35 mm symmetrical DIN rail			
Depth	120 mm			
Ambient air temperature for operation	-2555 °C			
Height	100 mm			
Width	22.5 mm			
Net weight	0.200 kg			

Environment

Standards	IEC 60947-5-1	
	IEC 61508-1 functional safety standard	
	IEC 61508-2 functional safety standard	
	IEC 61508-3 functional safety standard	
	IEC 61508-4 functional safety standard	
	IEC 61508-5 functional safety standard	
	IEC 61508-6 functional safety standard	
	IEC 61508-7 functional safety standard	
	ISO 13849-1 functional safety standard	
	IEC 62061 functional safety standard	
Product certifications	TÜV	
	CULus	
IP degree of protection	IP20 (terminals) conforming to EN/IEC 60529	
	IP40 (housing) conforming to EN/IEC 60529	
	IP54 (mounting area) conforming to EN/IEC 60529	
Relative humidity	595 % non-condensing	

Packing Units

3		
Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Weight	258 g	
Package 1 Height	6.8 cm	
Package 1 width	14 cm	
Package 1 Length	15.5 cm	

Unit Type of Package 2	BB1
Number of Units in Package 2	1
Package 2 Weight	315 g
Package 2 Height	6.4 cm
Package 2 width	13.3 cm
Package 2 Length	15.3 cm
Unit Type of Package 3	S03
Number of Units in Package 3	16
Package 3 Weight	4.963 kg
Package 3 Height	30 cm
Package 3 width	30 cm
Package 3 Length	40 cm

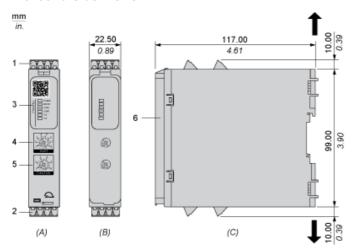
Offer Sustainability

Sustainable offer status	Green Premium product			
REACh Regulation	☑REACh Declaration			
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration			
Mercury free	Yes			
RoHS exemption information	€Yes			
China RoHS Regulation	China RoHS Declaration			
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			

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Dimensions

Front and Side Views

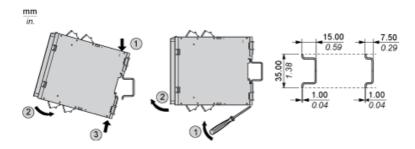


- (A): Product drawing
- (B): Spring Terminal
- (C) Side view
- (1): Removable terminal blocks, top(2): Removable terminal blocks, bottom
- (3): LED indicators
- (4): Start function selector
- (5): Function selector
- (6): Sealable transparent cover

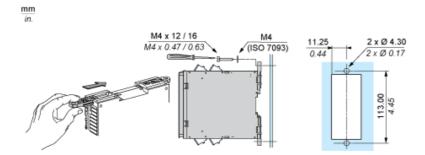
in.	0.47		44		æD-	
	mm ²	0,22,5	0,252,5	0,21,5	0,251	0,51,5
	AWG	2412	2412	2416	2418	2016

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Mounting to DIN rail



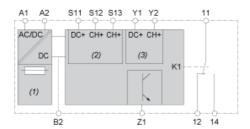
Screw-mounting



Product data sheet Connections and Schema

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Wiring Drawing



(1): A1-A2 (Power supply)

(2): S11-S12-S13 (Single-channel safety input) (3): Y1-Y2 (Start)

11-12Øletput
B2: Common ground terminal

Z1: Pulsed output for diagnostics, not safety-related