XPSUAF13AP

Preventa module Cat.4 potential free NC/NC, NO/NC & PNP/PNP 24vac/dc screw





Main

Range of product Product or component type Safety module name Safety module Monitoring antivalent contacts For emergency stop, guard and light curtain monitoring Function of module Emergency stop button with 2 NC contacts Guard monitoring with 1 or 2 limit switches Monitoring 2 PNP sensors Magnetic switch monitoring Light curtain monitoring RFID switch Monitoring of electro-sensitive protection equipment (ESPE) Proximity sensor monitoring Safety level Can reach PL e/category 4 conforming to ISO 13849-1 Can reach SILC 3 conforming to IEC 62061 Can reach SIL 3 conforming to IEC 61508 Safety reliability data MTTFd > 30 years conforming to ISO 13849-1 Dcavg >= 99 % conforming to ISO 13849-1 PFHd = 1.13E-09 conforming to ISO 13849-1 HFT = 1 conforming to IEC 62061 RFF > 99% conforming to IEC 62061 HFT = 1 conforming to IEC 62061 HFT = 8 ps conforming to IEC 61508-1 SFF > 99% conforming to I		
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Complementary

Synchronisation time between inputs	0.5 s	
	2 s	
	4 s	
Type of start	Automatic/manual/monitored	
Power consumption in W	2.0 W 24 V DC	
Power consumption in VA	5.0 VA 24 V AC 50/60 Hz	
Input protection type	Internal, electronic	
Safety outputs	3 NO	
Safety inputs	2 safety input 24 V DC 5 mA	
Maximum line 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 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
Control outputs	3 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	8 A
Associated fuse rating	10 A gG for NO relay output circuit 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 S22
Mounting support	35 mm symmetrical DIN rail
Depth	120 mm
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		
Ambient air temperature for storage	-2585 °C		
Relative humidity	595 % non-condensing		

Packing Units

PCE			
1			
278 g			
6.7 cm			
13.7 cm			
15.5 cm			
BB1			
1			
310 g			
6.4 cm			
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	5.284 kg
Package 3 Height	30 cm
Package 3 width	30 cm
Package 3 Length	40 cm

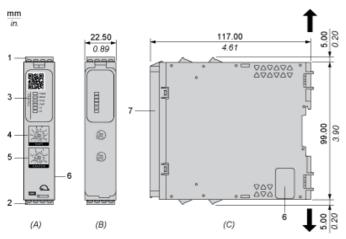
Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
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

XPSUAF13AP

Dimensions

Front and Side Views

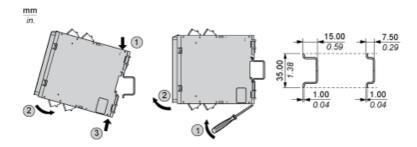


- (A): Product drawing
- (B): Screw clamp terminal
- (C): Side view
- (1): Removable terminal blocks, top
- (2): Removable terminal blocks, bottom (3): LED indicators
- (4): Start function selector
- (5): Function selector
- (6): Connector for optional output extension module (lateral)
- (7): Sealable transparent cover

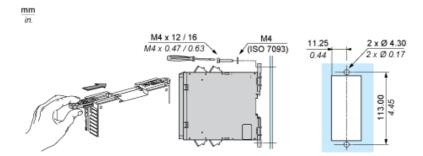
in.	7.0–8.0 0.28–0.31	11	88	===	a	- @>-
	mm ²	0,2 2,5	0,252,5	0,21,5	0,251	0,51,5
	AWG	24 12	2412	2416	2418	3 2016
		(rc@m		Nm	0.5 0.6	
Ø 3,5 mm (0.14 in)		6.06	سرره	lb-in	4,4 5,3	

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Mounting to DIN rail



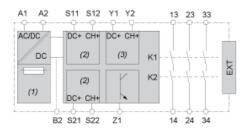
Screw-mounting



Product data sheet Connections and Schema

XPSUAF13AP

Wiring Drawing



(1): A1-A2 (Power supply)

(2): S11-S12-S21-S22 (Single-channel safety input) (3): Y1-Y2 (Start)

13-23@atplut-24-34:

EXT : Connector for optional extension module

B2: Common ground terminal

Z1: Pulsed output for diagnostics, not safety-related