## Product data sheet Characteristics

# **XPSUAB11CC**

Safety module, Harmony Safety Automation, Cat.1, potential free NC/NC, NO/NC, PNP/ PNP, 24v AC/DC, spring





Range of Product	Harmony Safety Automation			
Product or Component Type	Safety module			
Safety module name	XPSUAB For electrical monitoring of two-hand control stations For application with safety switchover contact For emergency stop, guard and light curtain monitoring Monitoring antivalent contacts			
Safety module application				
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 ISO 13849-1 Can reach SILCL 1 IEC 62061 Can reach SIL 1 IEC 61508			
Safety reliability data	MTTFd >= 30 years ISO 13849-1 Dcavg < 60 % ISO 13849-1 PFHd = 1177E-09 1/h ISO 13849-1 HFT = 0 IEC 62061 PFHd = 1177E-09 1/h IEC 62061 SFF > 60% IEC 62061 HFT=0 IEC 61508-1 PFHd = 1177E-09 1/h IEC 61508-1 SFF > 60% IEC 61508-1 Type = B IEC 61508-1			
Electrical circuit type	NC pair PNP pair Antivalent pair OSSD pair			
Connections - terminals	Removable spring terminal block, 0.22.5 mm <sup>2</sup> solid or flexible Removable spring terminal block, 0.252.5 mm <sup>2</sup> flexible with ferrule single conductor Removable spring terminal block, 0.21.5 mm <sup>2</sup> solid or flexible twin conductor Removable spring terminal block, 2 x 0.251 mm <sup>2</sup> flexible with ferrule without cable end, with bezel Removable spring terminal block, 2 x 0.51.5 mm <sup>2</sup> flexible with ferrule with cable end, with bezel			
[Us] Rated Supply Voltage	24 V AC - 1510 % 24 V DC - 2020 %			

#### Complementary

Synchronisation time between inputs	0.5 s		
	2.2 s		
Type of start	Automatic/manual/monitored		
Power consumption in W	1.5 W 24 V DC		
Power consumption in VA	3.5 VA 24 V AC 50/60 Hz		
Input protection type	Internal, electronic		
Safety outputs	1 C/O		



Safety inputs	1				
Maximum wire resistance	500 Ohm				
Input compatibility	Normally closed circuit ISO 14119 XC limit switch ISO 14119 Mechanical contact ISO 14119 Normally closed circuit ISO 13850 Antivalent pair ISO 14119 OSSD pair IEC 61496-1-2 Two-hand control EN 574/ISO 13851-III A 3-wire proximity sensors PNP				
[le] rated operational current	5 A AC-1 3 A AC-15 5 A DC-1 3 A DC-13 3 A AC-1 1 A AC-15 2 A DC-1 1 A DC-13				
Control Outputs	2 pulsed output				
Input/output type	Semiconductor pulsed diagnostic output Z1, 20 mA				
[Ith] conventional free air thermal current	3 A				
Associated fuse rating	6 A gG relay output IEC 60947-1				
Minimum output current	10 mA relay output				
Minimum output voltage	15 V relay output				
Maximum response time on input open	20 ms				
[Ui] rated insulation voltage	250 V 2)EN/IEC 60947-1				
[Uimp] rated impulse withstand voltage	4 kV II EN/IEC 60947-1				
Local signalling	For power ON LED (green) For error LED (red) For start LED (yellow) For safety status LED (yellow) For safety input S12 LED (yellow) For safety input S13 LED (yellow)				
Mounting Support	35 mm symmetrical DIN rail				
Depth	4.72 in (120 mm)				
Ambient Air Temperature for Operation	-13131 °F (-2555 °C)				
Height	3.94 in (100 mm)				
Width	0.89 in (22.5 mm)				
Net Weight	0.44 lb(US) (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)EN/IEC 60529
	IP40 housing)EN/IEC 60529
	IP54 mounting area)EN/IEC 60529
Relative Humidity	595 % non-condensing

### Ordering and shipping details

0 11 0			
Category	22477-SAFETY MODULES (PREVENTA)		
Discount Schedule SAF2			
GTIN	3606489601560		
Nbr. of units in pkg.	1		
Package weight(Lbs)	9.21 oz (261.0 g)		

Returnability	No
Country of origin	ID

### **Packing Units**

Unit Type of Package 1	PCE			
Package 1 Height	2.68 in (6.8 cm)			
Package 1 width	5.51 in (14 cm)			
Package 1 Length	6.10 in (15.5 cm)			
Unit Type of Package 2	S03			
Number of Units in Package 2	16			
Package 2 Weight	10.77 lb(US) (4.884 kg)			
Package 2 Height	11.81 in (30 cm)			
Package 2 width	11.81 in (30 cm)			
Package 2 Length	15.75 in (40 cm)			
Package 3 Height	11.81 in (30 cm)			

## Offer Sustainability

Sustainable offer status	Green Premium product			
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov			
REACh Regulation	REACh Declaration			
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <b>Pro-active EU RoHS</b>			
Mercury free	Yes			
RoHS exemption information	<b>₫</b> Yes			
China RoHS Regulation	China RoHS Declaration			
Environmental Disclosure	Product Environmental Profile			
Circularity Profile	Provide the 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			

# Product data sheet Dimensions Drawings

# XPSUAB11CC

### Dimensions

#### Front and Side Views



- (5) : Function selector
- (6) : Sealable transparent cover

mm in.	12.0 0.47		7 7 7			₿
	mm <sup>2</sup>	0,22,5	0,252,5	0,21,5	0,251	0,51,5
	AWG	2412	2412	2416	2418	2016

# **XPSUAB11CC**

### Mounting to DIN rail



Screw-mounting

mm in.



Product data sheet Connections and Schema

# **XPSUAB11CC**

### Wiring Drawing



(1): A1-A2 (Power supply)

(2): S11-S12-S13 (Single-channel safety input)

(3): Y1-Y2 (Start)

11-12-14 : Output

B2 : Common ground terminal

Z1 : Pulsed output for diagnostics, not safety-related