Specifications

Sereen Seremium™



Estop or guard ,Harmony XPS, connected to supply terminals 24 V AC/DC , no inputs, spring

XPSBAC14AC

Main

Range of product	Harmony Safety Automation		
Product or component type	Safety module		
Safety module name	XPSBAC		
Safety module application	For emergency stop and protective guard applications		
Function of module	Emergency stop button with 2 NC contacts Guard monitoring with 1 or 2 limit switches		
Safety level	Can reach PL e/category 4 for normally open relay contact conforming to ISO 13849-1 Can reach SILCL 3 for normally open relay contact conforming to IEC 62061 Can reach SIL 3 for normally open relay contact conforming to IEC 61508 Can reach PL c/category 1 for normally closed relay contact conforming to ISO 13849-1 Can reach SILCL 1 for normally closed relay contact conforming to IEC 62061 Can reach SILCL 1 for normally closed relay contact conforming to IEC 62061		
Safety reliability data	MTTFd > 30 years conforming to ISO 13849-1 for normally open relay contact Dcavg >= 99 % conforming to ISO 13849-1 for normally open relay contact PFHd = 0.95E-09 conforming to ISO 13849-1 for normally open relay contact HFT = 1 conforming to IEC 62061 for normally open relay contact PFHd = 0.95E-09 conforming to IEC 62061 for normally open relay contact SFF > 99% conforming to IEC 61508-1 for normally open relay contact HFT = 1 conforming to IEC 61508-1 for normally open relay contact SFF > 99% conforming to IEC 61508-1 for normally open relay contact SFF > 99% conforming to IEC 61508-1 for normally open relay contact SFF > 99% conforming to IEC 61508-1 for normally open relay contact SFF > 99% conforming to IEC 61508-1 for normally open relay contact DFHd = 0.95E-09 conforming to IEC 61508-1 for normally open relay contact Type = B conforming to IEC 61508-1 for normally open relay contact MTTFd > 30 years conforming to ISO 13849-1 for normally closed relay contact DC > 60 % conforming to ISO 13849-1 for normally closed relay contact HFT=0 conforming to ISO 13849-1 for normally closed relay contact HFT=0 conforming to IEC 62061 for normally closed relay contact SFF > 60% conforming to IEC 62061 for normally closed relay contact SFF > 60% conforming to IEC 62061 for normally closed relay contact SFF > 60% conforming to IEC 61508-1 for normally closed relay contact SFF > 60% conforming to IEC 61508-1 for normally closed relay contact SFF > 60% conforming to IEC 61508-1 for normally closed relay contact SFF > 60% conforming to IEC 61508-1 for normally closed relay contact SFF > 60% conforming to IEC 61508-1 for normally closed relay contact		
Electrical circuit type	NC pair		
Connections - terminals	Removable spring terminal block, 0.22.5 mm ² solid or flexible Removable spring terminal block, 0.252.5 mm ² flexible with ferrule single conductor Removable spring terminal block, 0.21.5 mm ² solid or flexible twin conductor Removable spring terminal block, 2 x 0.251 mm ² flexible with ferrule without cable end, with bezel Removable spring terminal block, 2 x 0.51.5 mm ² flexible with ferrule with cable end, with bezel		

Synchronisation time between inputs	Unlimited	
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	4 NO + 1 NC			
Safety inputs	0			
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			
Input terminal	Power supply			
[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 3 A DC-1 for normally closed relay contact 1 A DC-13 for normally closed relay contact			
Control outputs	0			
[Ith] conventional free air thermal current	6 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	5 V for relay output			
Response time	150 ms at 24 V AC 80 ms at 24 V DC			
[Ui] rated insulation voltage	300 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 with power marking for power ON LED red with error marking for error LED yellow with state marking for status LED yellow with start1 marking for start input LED yellow with start2 marking for start input			
Mounting support	35 mm symmetrical DIN rail			
Depth	120 mm			
Height	100 mm			
Width	22.5 mm			
Net weight	0.200 kg			
Environment				
Ambient air temperature for operation	-2555 °C			
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 61508-7 functional safety standard ISO 13849-1 functional safety standard IEC 62061 functional safety standard			
Product certifications	TÜV			

Relative humidity	595 % non-condensing		
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		
Product certifications	cULus		

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	310 g
Package 1 Height	6.4 cm
Package 1 width	13.3 cm
Package 1 Length	15.3 cm
Unit Type of Package 2	S03
Number of Units in Package 2	16
Package 2 Weight	5.518 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm
Package 3 Height	30 cm

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			
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			

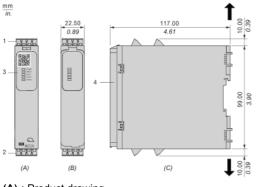
Life Is On Schneider

XPSBAC14AC

Dimensions Drawings

Dimensions

Front and Side Views

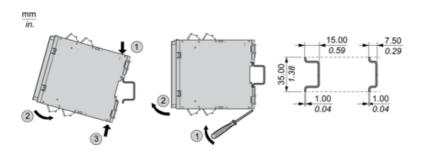


- (A) : Product drawing
- (B) : Spring terminal
- (C) : Side view
- (1) : Removable terminal blocks, top(2) : Removable terminal blocks, bottom
- (3) : LED indicators
- (4) : Sealable transparent cover

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

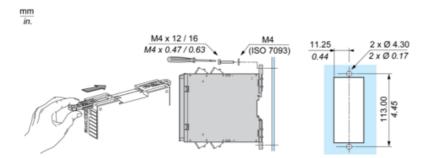
Mounting and Clearance

Mounting to DIN rail



Mounting and Clearance

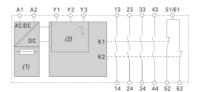
Screw-mounting



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Connections and Schema

Wiring Diagram



(1): A1-A2 (Power supply)

(2): Y1 (Control output of Start/Restart input), Y2 (Input channel for automatic/manual start/restart), Y3 (Input channel for monitored start/restart with falling edge)

13-14-23-24-33-34-43-44-51/61-52-62 : Terminals of the safety-related outputs