

# Product data sheet

Specifications



safety module, Harmony XPS, estop or guard, connected to supply terminals 24V AC or DC , no inputs, spring

XPSBAC14AC

**Product availability: Non-Stock - Not normally stocked in distribution facility**

**Price\*: 285.00 USD**

## 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 ISO 13849-1 Can reach SILCL 3 for normally open relay contact IEC 62061 Can reach SIL 3 for normally open relay contact IEC 61508 Can reach PL c/category 1 for normally closed relay contact ISO 13849-1 Can reach SILCL 1 for normally closed relay contact IEC 62061 Can reach SIL 1 for normally closed relay contact IEC 61508
Safety reliability data	MTTFd > 30 years for normally open relay contact ISO 13849-1 Dcavg >= 99 % for normally open relay contact ISO 13849-1 PFHd = 0.95E-09 for normally open relay contact ISO 13849-1 HFT = 1 for normally open relay contact IEC 62061 PFHd = 0.95E-09 for normally open relay contact IEC 62061 SFF > 99% for normally open relay contact IEC 62061 HFT = 1 for normally open relay contact IEC 61508-1 PFHd = 0.95E-09 for normally open relay contact IEC 61508-1 SFF > 99% for normally open relay contact IEC 61508-1 Type = B for normally open relay contact IEC 61508-1 MTTFd > 30 years for normally closed relay contact ISO 13849-1 DC > 60 % for normally closed relay contact ISO 13849-1 PFHd = 0.95E-09 for normally closed relay contact ISO 13849-1 HFT=0 for normally closed relay contact IEC 62061 PFHd = 0.95E-09 for normally closed relay contact IEC 62061 SFF > 60% for normally closed relay contact IEC 62061 HFT=0 for normally closed relay contact IEC 61508-1 PFHd = 0.95E-09 for normally closed relay contact IEC 61508-1 SFF > 60% for normally closed relay contact IEC 61508-1 Type = B for normally closed relay contact IEC 61508-1
electrical circuit type	NC pair
Connections - terminals	Removable spring terminal block, 0.2...2.5 mm <sup>2</sup> solid or flexible Removable spring terminal block, 0.25...2.5 mm <sup>2</sup> flexible with ferrule single conductor Removable spring terminal block, 0.2...1.5 mm <sup>2</sup> solid or flexible twin conductor Removable spring terminal block, 2 x 0.25...1 mm <sup>2</sup> flexible with ferrule without cable end, with bezel Removable spring terminal block, 2 x 0.5...1.5 mm <sup>2</sup> flexible with ferrule with cable end, with bezel
[Us] Rated Supply Voltage	24 V AC - 15...10 % 24 V DC - 20...20 %

## Complementary

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

<b>Synchronisation time between inputs</b>	Unlimited
<b>Type of start</b>	Automatic/manual/monitored
<b>Power consumption in W</b>	1.5 W 24 V DC
<b>Power consumption in VA</b>	3.5 VA 24 V AC 50/60 Hz
<b>Input protection type</b>	Internal, electronic
<b>safety outputs</b>	4 NO + 1 NC
<b>safety inputs</b>	0
<b>Input compatibility</b>	Normally closed circuit ISO 14119 XC limit switch ISO 14119 Mechanical contact ISO 14119 Normally closed circuit ISO 13850
<b>input terminal</b>	Power supply
<b>[Ie] rated operational current</b>	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
<b>control outputs</b>	0
<b>[Ith] conventional free air thermal current</b>	6 A
<b>Associated fuse rating</b>	10 A gG NO relay output circuit IEC 60947-1
<b>Minimum output current</b>	10 mA relay output
<b>Minimum output voltage</b>	5 V relay output
<b>Response time</b>	150 ms at 24 V AC 80 ms at 24 V DC
<b>[Ui] rated insulation voltage</b>	300 V 2)IEC 60947-1
<b>[Uimp] rated impulse withstand voltage</b>	4 kV II IEC 60947-1
<b>Local signalling</b>	LED green power power ON LED red error error LED yellow state status LED yellow start1 start input LED yellow start2 start input
<b>Mounting Support</b>	35 mm symmetrical DIN rail
<b>Depth</b>	4.7 in (120 mm)
<b>Height</b>	3.9 in (100 mm)
<b>Width</b>	0.9 in (22.5 mm)
<b>Net Weight</b>	0.441 lb(US) (0.200 kg)

## Environment

<b>Ambient Air Temperature for Operation</b>	-13...131 °F (-25...55 °C)
<b>Standards</b>	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

<b>Product Certifications</b>	TÜV cULus
<b>IP degree of protection</b>	IP20 terminals)IEC 60529 IP40 housing)IEC 60529 IP54 mounting area)IEC 60529
<b>Relative Humidity</b>	5...95 % non-condensing

## Ordering and shipping details

<b>Category</b>	US1SAF222477
<b>Discount Schedule</b>	SAF2
<b>GTIN</b>	3606481916815
<b>Returnability</b>	No
<b>Country of origin</b>	ID

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	2.56 in (6.5 cm)
<b>Package 1 Width</b>	5.31 in (13.5 cm)
<b>Package 1 Length</b>	6.10 in (15.5 cm)
<b>Package 1 Weight</b>	10.6 oz (301.0 g)
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	16
<b>Package 2 Height</b>	11.81 in (30 cm)
<b>Package 2 Width</b>	11.81 in (30 cm)
<b>Package 2 Length</b>	15.75 in (40 cm)
<b>Package 2 Weight</b>	12.165 lb(US) (5.518 kg)

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[How we assess product sustainability >](#)



Transparency

## Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Pro-active compliance (Product out of EU RoHS legal scope)

China Rohs Regulation [China RoHS declaration](#)

Environmental Disclosure [Product Environmental Profile](#)

Weee The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Circularity Profile [End of Life Information](#)

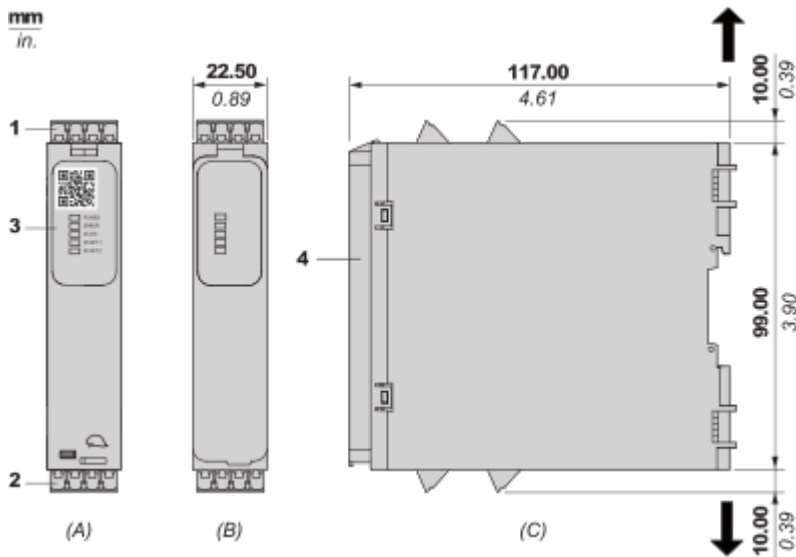
California Proposition 65 **WARNING:** This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

Scip Number 152cf799-1df7-4892-81b4-4c890187f1d1

Dimensions Drawings

Dimensions

Front and Side Views



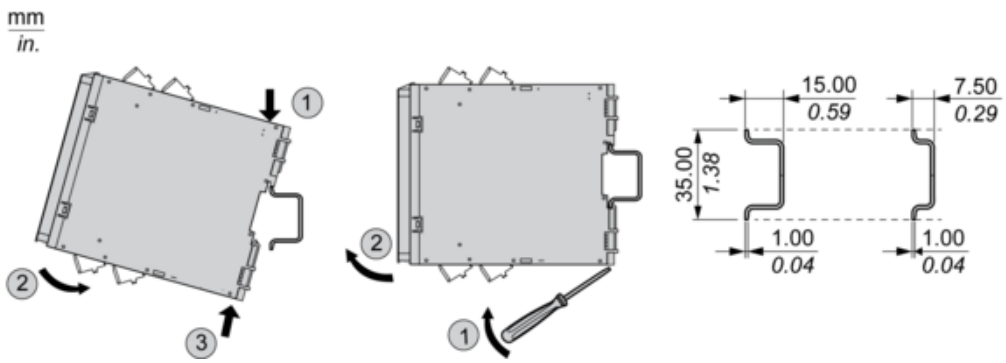
- (A) : Product drawing
- (B) : Spring terminal
- (C) : Side view
- (1) : Removable terminal blocks, top
- (2) : Removable terminal blocks, bottom
- (3) : LED indicators
- (4) : Sealable transparent cover

mm in.	12.0 0.47					
	mm <sup>2</sup>	0,2...2,5	0,25...2,5	0,2...1,5	0,25...1	0,5...1,5
	AWG	24...12	24...12	24...16	24...18	20...16

Mounting and Clearance

Mounting to DIN rail

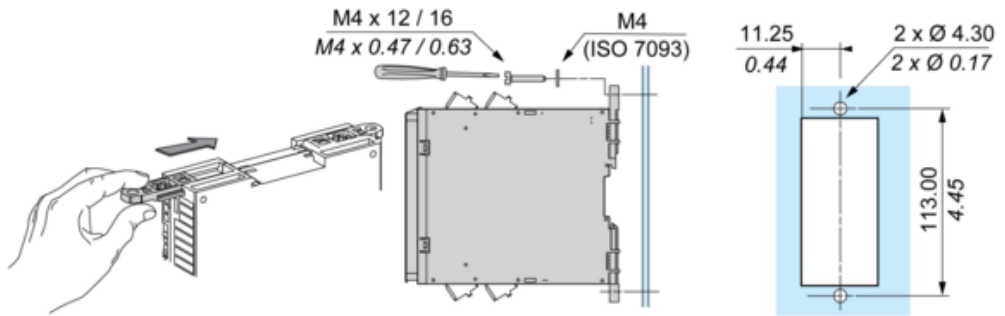
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Screw-mounting

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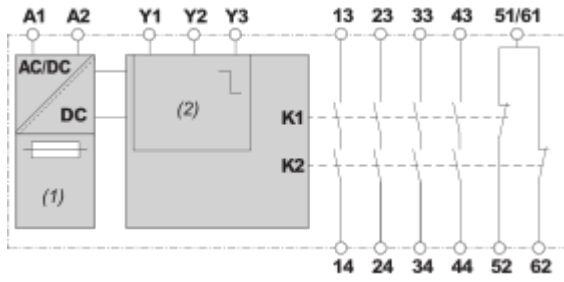
mm  
in.



Connections and Schema

Wiring Diagram

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(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



Image of product / Alternate images

Alternative

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