Product data sheet

Specifications

safety module, Harmony XPSU, Cat 4, expansion use with universal range, 24V AC or DC, spring

XPSUEP14AC

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

Main

Range of Product	Harmony Safety Automation
Product or Component Type	Safety module
Safety module name	XPSUEP
Safety module application	For extending number of safety contacts
Function of module	Safety output extension
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 ISO 13849-1 Dcavg >= 99 % ISO 13849-1 PFHd = 0.97E-09 ISO 13849-1 HFT = 1 IEC 62061 PFHd = 0.97E-09 IEC 62061 SFF > 99% IEC 62061 HFT = 1 IEC 61508-1 PFHd = 0.97E-09 IEC 61508-1 SFF > 99% IEC 61508-1 Type = B IEC 61508-1
Electrical circuit type	Addition to Preventa XPSU base module
Connections - terminals	Removable spring terminal block, 0.2...2.5 mm² solid or flexible Removable spring terminal block, 0.25...2.5 mm² flexible with ferrule single conductor Removable spring terminal block, 0.2...1.5 mm² solid or flexible twin conductor Removable spring terminal block, 2 x 0.25...1 mm² flexible with ferrule without cable end, with bezel Removable spring terminal block, 2 x 0.5...1.5 mm² flexible with ferrule with cable end, with bezel
[Us] Rated Supply Voltage	24 V AC - 15...10 % 24 V DC - 20...20 %

Complementary

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 redundant 2 NC single
safety inputs	0 extension bus 24 V DC 5 mA
Maximum line resistance	60 Ohm

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

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
	3-wire proximity sensors PNP

[Ie] 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

[Ith] conventional free air thermal current	8 A

Associated fuse rating	10 A gG NO relay output circuit IEC 60947-1
	4 A gG NC relay output circuit IEC 60947-1

Minimum output current	10 mA relay output

Minimum output voltage	12 V relay output

Maximum response time on input open	20 ms

[Ui] rated insulation voltage	250 V 2)IEC 60947-1

[Uimp] rated impulse withstand voltage	4 kV II IEC 60947-1

Local signalling	LED (green) for power ON
	LED (red) for error
	LED (yellow) for safety output status

Mounting Support	35 mm symmetrical DIN rail

Depth	4.7 in (120 mm)

Height	3.9 in (100 mm)

Width	0.9 in (22.5 mm)

Product Weight	0.441 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)IEC 60529
	IP40 housing)IEC 60529
	IP54 mounting area)IEC 60529

Ambient Air Temperature for Storage	-13…185 °F (-25…85 °C)

Relative Humidity	5…95 % non-condensing

Ordering and shipping details

Category	US1SAF222477

Discount Schedule	SAF2

GTIN	3606489601768

Returnability	No

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Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.76 in (7.000 cm)
Package 1 Width	5.43 in (13.800 cm)
Package 1 Length	6.30 in (16.000 cm)
Package weight(Lbs)	10.406 oz (295.000 g)
Unit Type of Package 2	S03
Number of Units in Package 2	16
Package 2 Height	11.81 in (30.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	11.740 lb(US) (5.325 kg)

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Carbon footprint (kg CO2 eq, Total Life cycle)	**54**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No**
EU RoHS Directive	**Pro-active compliance (Product out of EU RoHS legal scope)**
SCIP Number	**152cf799-1df7-4892-81b4-4c890187f1d1**
REACh Regulation	**REACh Declaration**
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**
PVC free	**Yes**

Use Again

Repack and remanufacture

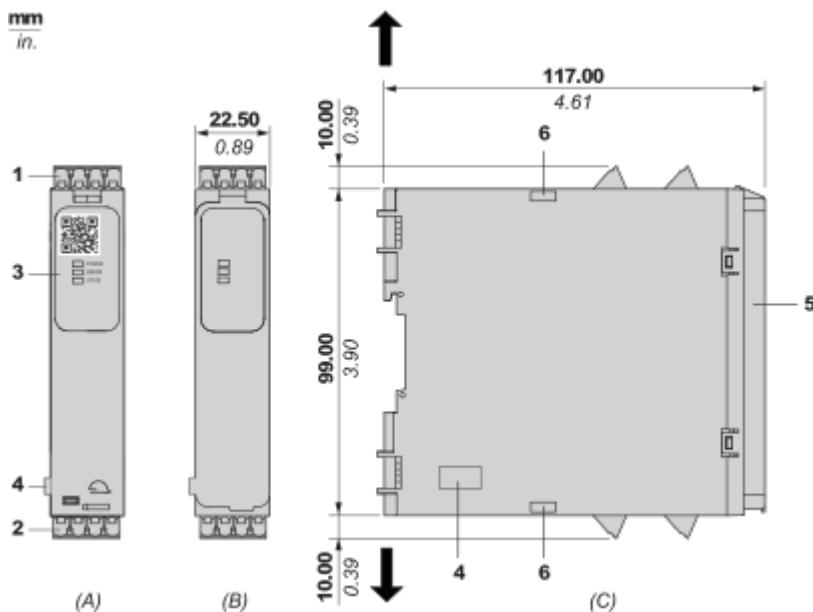|	
Circularity Profile	**End of Life Information**
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.**

Dimensions Drawings

Dimensions

Front and Side Views

(A) : Product drawing
(B) : Spring Terminal
(C) : Side view
(1) : Removable terminal blocks, top
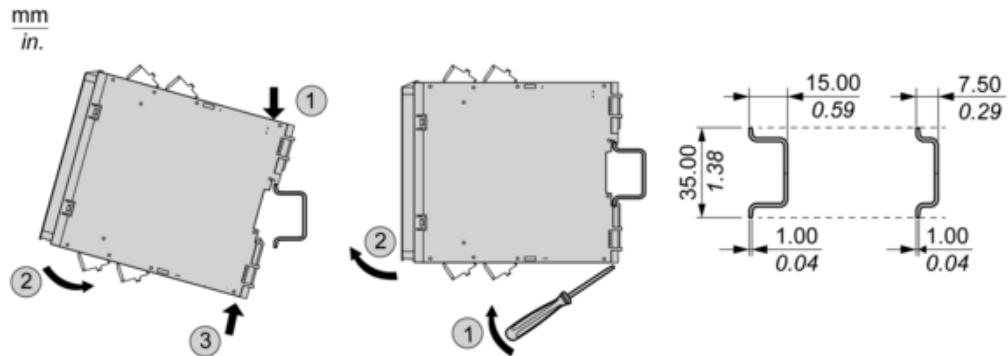**(2) :** Removable terminal blocks, bottom
(3) : LED indicators
(4) : Connector for base safety module
(5) : Sealable transparent cover
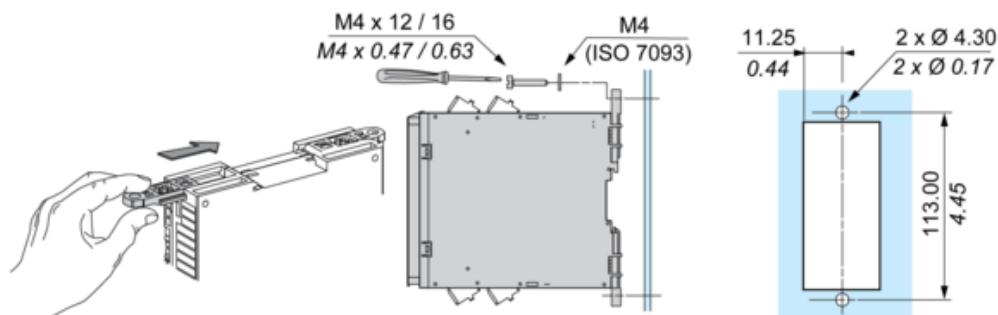**(6) :** Position of clips for mounting to base safety module

mm / in.	12.0 / 0.47					
mm²		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

Screw-mounting

$$\frac{mm}{in.}$$

M4 x 12 / 16
M4 x 0.47 / 0.63

M4
(ISO 7093)

11.25	2 x Ø 4.30
0.44	2 x Ø 0.17

113.00
4.45

Connections and Schema

Wiring Drawing
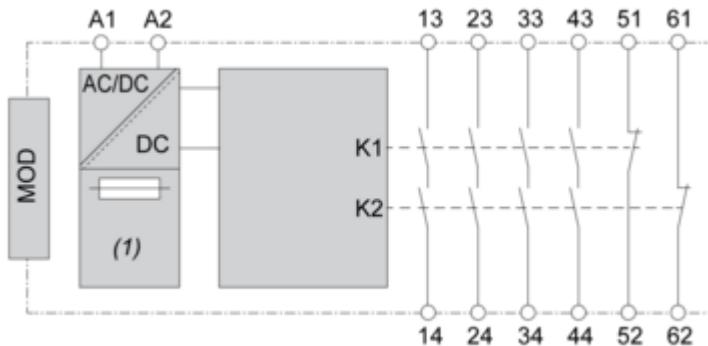
(1) : A1-A2 (Power supply)
13-23-33-43-51-61-14-24-34-44-52-62 : Output
MOD : Connector for base safety module

Image of product / Alternate images

Alternative