



SIRIUS SAFETY RELAY POWERSUPPLY FOR 3SK1  
ADVANCED SERIES US = 115 - 230 V AC SCREW  
CONNECTION

General technical data:		
product brand name		SIRIUS
protection type IP / of the enclosure		IP20
Insulation voltage / rated value	V	300
Impulse voltage resistance / rated value	V	4,000
Air pressure / according to SN 31205	kPa	90 ... 106
Relative humidity / during operating phase	%	10 ... 95
Installation altitude / at a height over sea level / maximum	m	2,000
Resistance against vibration / according to IEC 60068-2-6		5 ... 500 Hz: 0,75 mm
Resistance against shock		10g / 11 ms
EMC emitted interference		IEC 60947-5-1, Class A
Overvoltage class		Installation category III
Degree of pollution		3
Ambient temperature		
• during storage	°C	-40 ... +80
• during operating	°C	-25 ... +60
Type of current supply		24 V / 0,6 A
Galvanic isolation / between entrance and outlet		Yes
Type of display / for normal operation		Green LED for 24 V OK
Characteristic feature of the output / short-circuit protected		Yes

<b>Product feature / Bridging of channels</b>		No
<b>Consumed current / maximum</b>	A	0.25
<b>Control supply voltage</b>		
<ul style="list-style-type: none"> <li>• for DC <ul style="list-style-type: none"> <li>• rated value</li> </ul> </li> <li>• at 50 Hz / at AC <ul style="list-style-type: none"> <li>• rated value</li> </ul> </li> <li>• at 60 Hz / at AC <ul style="list-style-type: none"> <li>• rated value</li> </ul> </li> </ul>	V	110 ... 240
	V	110 ... 240
	V	110 ... 240
<b>Operating range factor control supply voltage rated value</b>		
<ul style="list-style-type: none"> <li>• for DC</li> <li>• at 50 Hz <ul style="list-style-type: none"> <li>• for AC</li> </ul> </li> <li>• at 60 Hz <ul style="list-style-type: none"> <li>• for AC</li> </ul> </li> </ul>		0.85 ... 1.1
		0.85 ... 1.1
		0.85 ... 1.1
<b>Resistive loss</b>	W	17

#### Control circuit/ Control:

<b>Output voltage / for DC / nominal value</b>	V	24
<b>Output current</b>		
<ul style="list-style-type: none"> <li>• nominal range</li> </ul>	/ A	0.6
<b>Design of the short-circuit protection</b>		automatically start-up

#### Installation/ mounting/ dimensions:

<b>mounting position</b>		any
<b>Distance, to be maintained, to earthed part / sideways</b>	mm	5
<b>Distance, to be maintained, to the ranks assembly / sideways</b>	mm	0
<b>Mounting type</b>		screw and snap-on mounting
<b>Width</b>	mm	22.5
<b>Height</b>	mm	100
<b>Depth</b>	mm	121.6

#### Connections/ terminals:

<b>Design of the electrical connection</b>		screw-type terminals
<b>Type of the connectable conductor cross-section</b>		
<ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded</li> <li>• with wire end processing</li> </ul>		1x (0.5 ... 2.5 mm <sup>2</sup> ), 2x (1.0 ... 1.5 mm <sup>2</sup> )
		1x (0.5 ... 2.5 mm <sup>2</sup> ), 2x (0.5 ... 1.0 mm <sup>2</sup> )
<b>Type of the connectable conductor cross-sections / for AWG conductors</b>		
<ul style="list-style-type: none"> <li>• solid</li> </ul>		1x (20 ... 14), 2x (18 ... 16)

## Certificates/ approvals:

### General Product Approval



CCC



CSA



UL



C-TICK



EG-Konf.

### Test Certificates

[Type Test Certificates/Test Report](#)

## Further information:

### Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

### Industry Mall (Online ordering system)

<http://www.siemens.com/industrial-controls/mall>

### Cax online generator

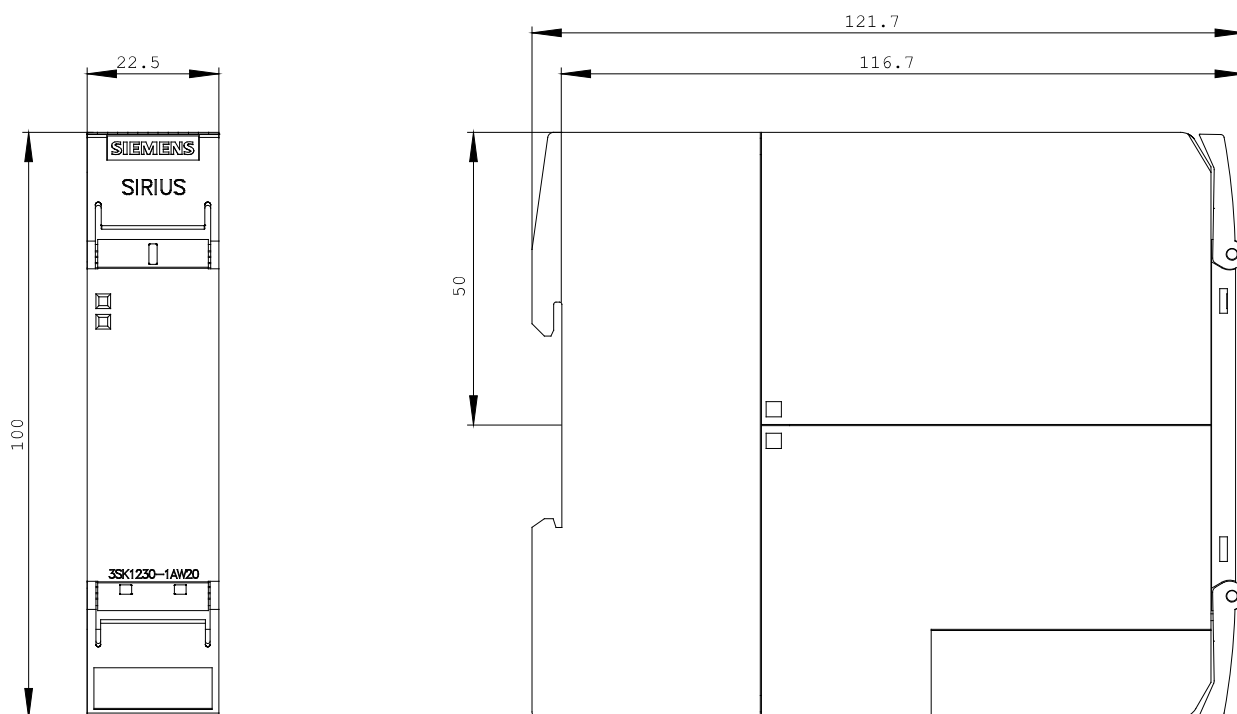
<http://www.siemens.com/cax>

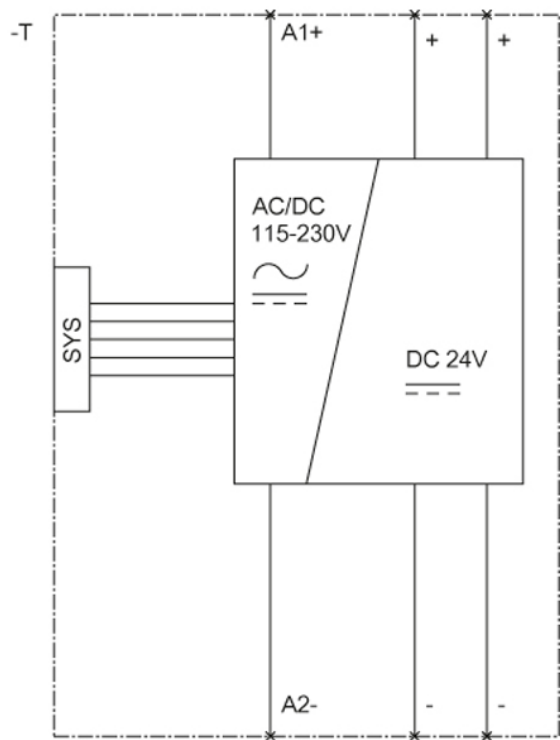
### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3SK1230-1AW20/all>

### Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3SK1230-1AW20](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SK1230-1AW20)





last change:

Mar 24, 2014