

SIRIUS SAFETY RELAY POWERSUPPLY FOR 3SK1 ADVANCED  
SERIES US = 110 - 230 V AC/DC SCREW CONNECTION



Figure similar

General technical data	
product brandname	SIRIUS
Product category	Safety relays
Product designation	Power supply
Protection class IP of the enclosure	IP20
Insulation voltage rated value	300 V
Surge voltage resistance rated value	4 000 V
Air pressure acc. to SN 31205	90 kPa ... 106 kPa
Relative humidity during operation	10 ... 95 %
Installation altitude at height above sea level maximum	2 000 m
Vibration resistance acc. to IEC 60068-2-6	5 ... 500 Hz: 0.75 mm
Shock resistance	10g / 11 ms
EMC emitted interference	IEC 60947-5-1, Class A
Overvoltage category	3
Degree of pollution	3
Ambient temperature	
• during storage	-40 ... +80 °C

• during operation	-25 ... +60 °C
<b>Type of current supply</b>	24 V / 0,6 A
<b>Galvanic isolation between entrance and outlet</b>	Yes
<b>Display version for normal operation</b>	Green LED for 24 V OK
<b>Property of the output Short-circuit proof</b>	Yes
<b>Product feature Parallel switching of channels</b>	No
<b>Consumed current maximum</b>	0.25 A
<b>Control supply voltage</b>	
• at DC rated value	110 ... 240 V
• at AC	
— at 50 Hz rated value	110 ... 240 V
— at 60 Hz rated value	110 ... 240 V
<b>Operating range factor control supply voltage rated value</b>	
• at DC	0.85 ... 1.1
• at AC	
— at 50 Hz	0.85 ... 1.1
— at 60 Hz	0.85 ... 1.1
<b>Power loss [W]</b>	17 W

#### Control circuit/ Control

<b>Output voltage at DC Rated value</b>	24 V
<b>Output current Rated range</b>	0.6 A
<b>Design of short-circuit protection</b>	automatically start-up

#### Installation/ mounting/ dimensions

<b>Mounting position</b>	any
<b>Required spacing for grounded parts at the side</b>	5 mm
<b>Required spacing with side-by-side mounting at the side</b>	0 mm
<b>Mounting type</b>	screw and snap-on mounting
<b>Width</b>	22.5 mm
<b>Height</b>	100 mm
<b>Depth</b>	121.6 mm

#### Connections/Terminals

<b>Type of electrical connection</b>	screw-type terminals
<b>Type of connectable conductor cross-sections</b>	
• solid	1x (0.5 ... 2.5 mm²), 2x (1.0 ... 1.5 mm²)
• finely stranded	
— with core end processing	1x (0.5 ... 2.5 mm²), 2x (0.5 ... 1.0 mm²)
<b>Type of connectable conductor cross-sections at AWG conductors</b>	
• solid	1x (20 ... 14), 2x (18 ... 16)

## Certificates/approvals

General Product Approval			EMC	Declaration of Conformity	
 CCC	 CSA	 UL		 C-Tick	 EG-Konf.

Test Certificates	other
<a href="#">Type Test</a> <a href="#">Certificates/Test Report</a>	<a href="#">Confirmation</a>

## Further information

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

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

### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SK1230-1AW20>

### Cax online generator

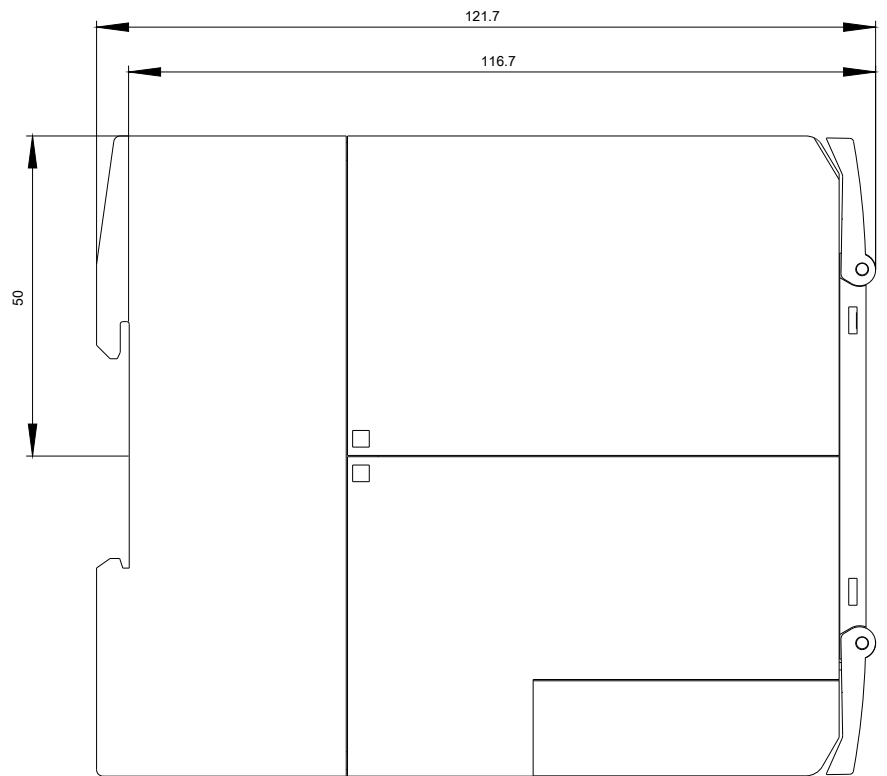
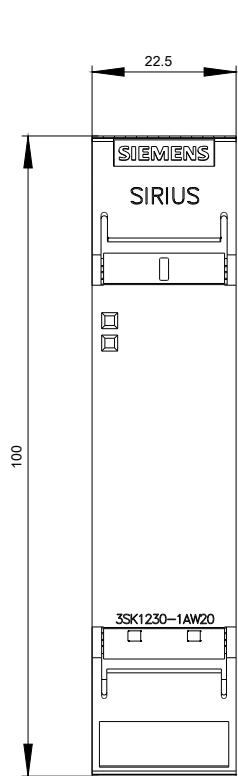
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SK1230-1AW20>

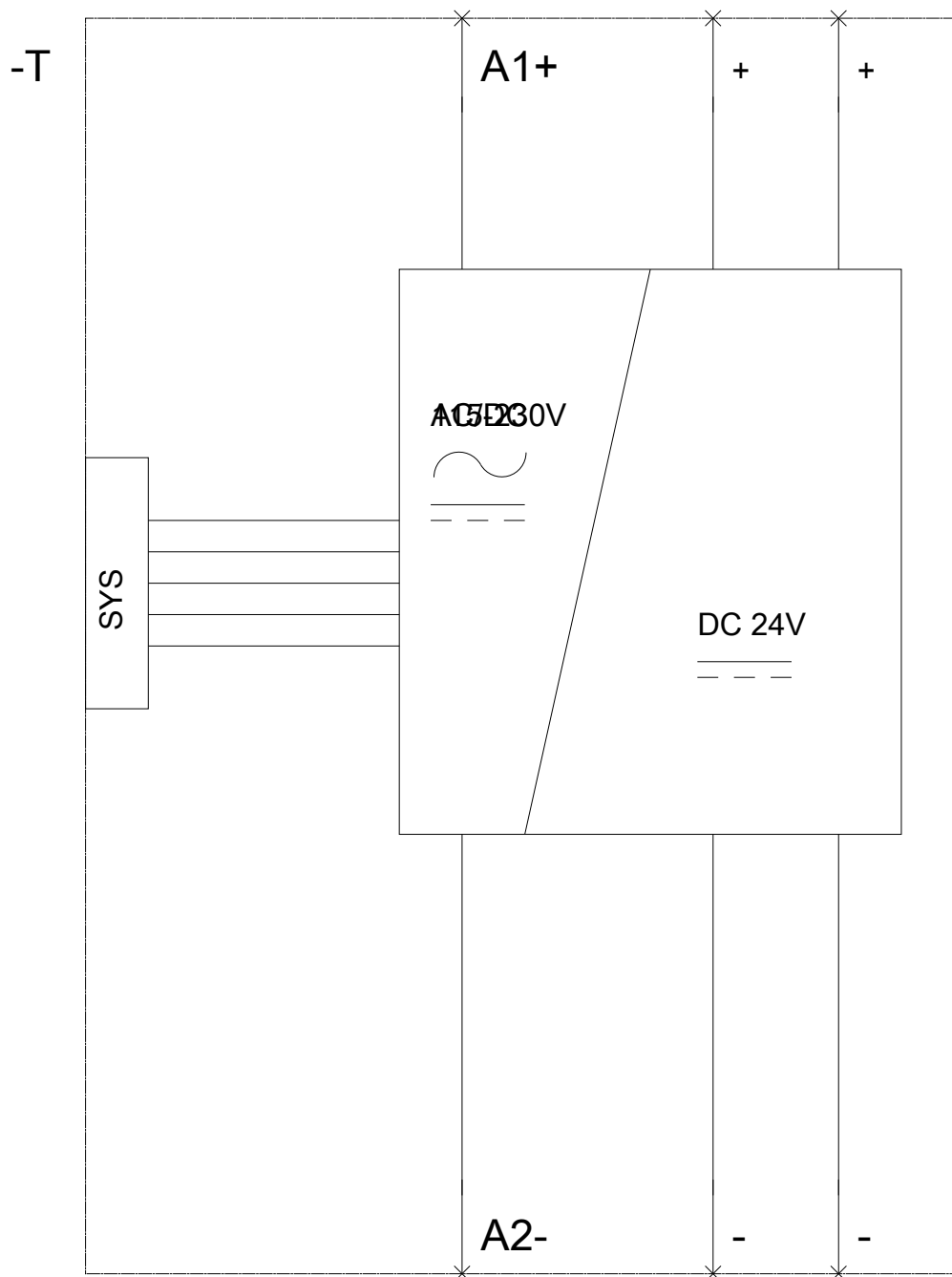
### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SK1230-1AW20>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SK1230-1AW20&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SK1230-1AW20&lang=en)





last modified:

08/11/2017