



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

General technical details:

product brand name		SIRIUS
protection class IP / of the housing		IP20
Insulation voltage / rated value	V	300
Impulse voltage resistance / rated value	V	4,000
Air pressure / according to SN 31205	kPa	90 ... 106
• 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

Product feature / Bridging of channels		No
Consumed current / maximum	A	0.25
Control supply voltage		
• for DC		
• rated value	V	110 ... 240
• at 50 Hz / at AC		
• rated value	V	110 ... 240
• at 60 Hz / at AC		
• rated value	V	110 ... 240
Operating range factor control supply voltage rated value		
• for DC		0.85 ... 1.1
• at 50 Hz		
• for AC		0.85 ... 1.1
• at 60 Hz		
• for AC		0.85 ... 1.1
Resistive loss	W	17

Control circuit:

Output voltage / for DC / nominal value	V	24
Output current		
• nominal range	/ A	0.6
Design of the short-circuit protection		automatically start-up

Installation/mounting/dimensions:

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

Connections:

Design of the electrical connection		spring-loaded terminals
Type of the connectable conductor cross-section		
• solid		1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 1.5 mm ²)
• finely stranded		
• with wire end processing		1x (0.5 ... 1.0 mm ²), 2x (0.5 ... 1.0 mm ²)
• without wire end processing		1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 1.5 mm ²)
Type of the connectable conductor cross-section / for AWG conductors		

- solid
- stranded

1x (20 ... 16), 2x (20 ... 16)

1x (20 ... 16), 2x (20 ... 16)

Certificates/approvals:

General Product Approval



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:

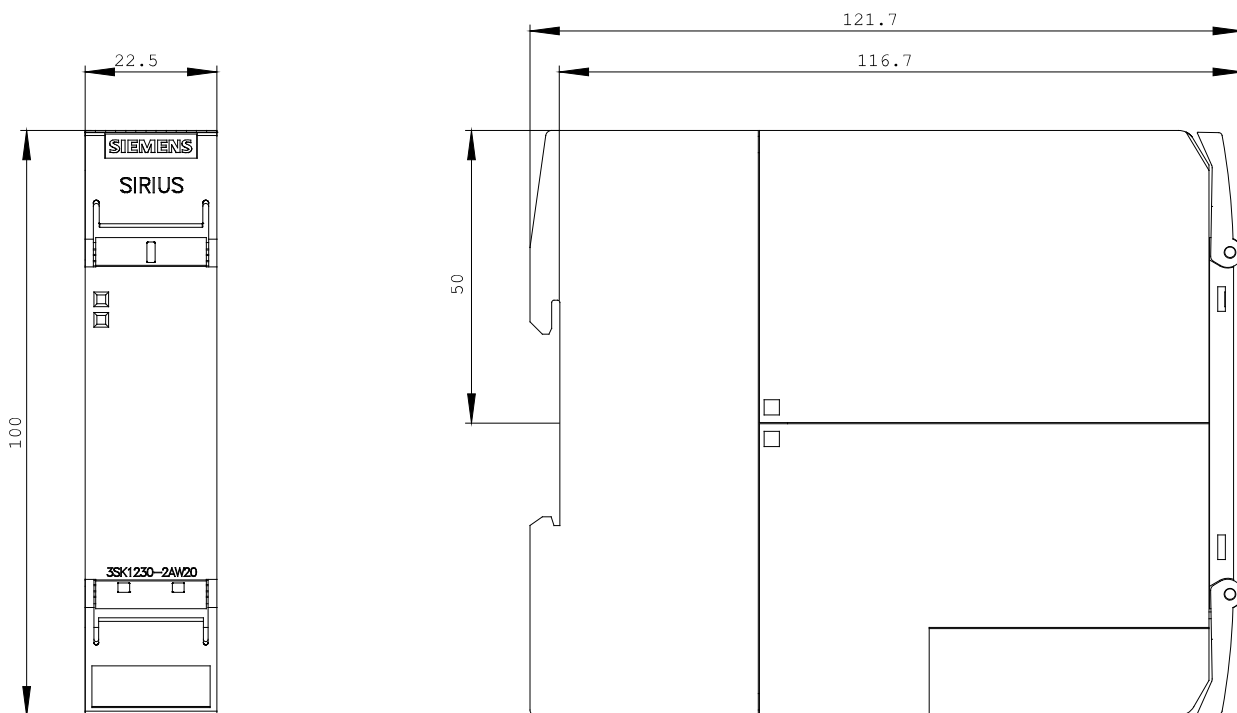
<http://www.siemens.com/cax>

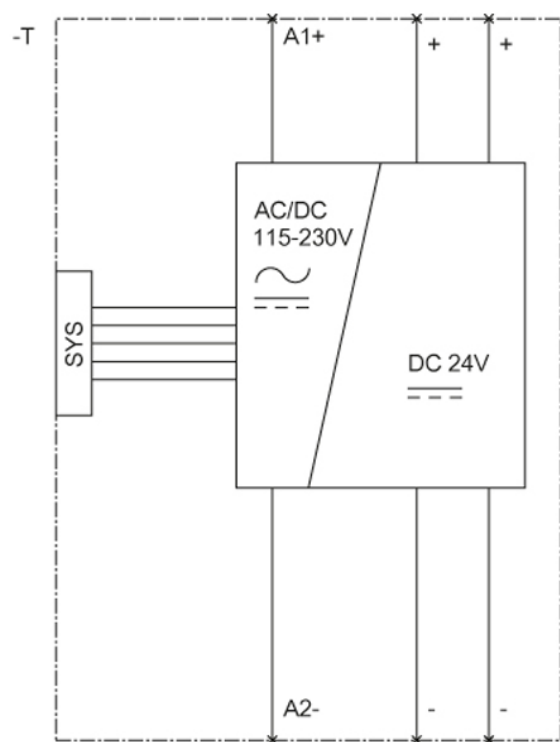
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3SK1230-2AW20/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SK1230-2AW20





last change:

Mar 11, 2013