

SIRIUS safety relay Power supply for 3SK1 Advanced series Us = 110-240 V AC/DC screw terminal



Figure similar

General technical data	
Product brand name	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

<ul style="list-style-type: none"> during operation 	-25 ... +60 °C
Type of current supply	24 V / 0,6 A
Galvanic isolation between entrance and outlet	Yes
Display version for normal operation	Green LED for 24 V OK
Property of the output Short-circuit proof	Yes
Product feature Parallel switching of channels	No
Consumed current maximum	0.25 A
Control supply voltage	
<ul style="list-style-type: none"> at DC rated value 	110 ... 240 V
<ul style="list-style-type: none"> at AC <ul style="list-style-type: none"> at 50 Hz rated value at 60 Hz rated value 	110 ... 240 V
Operating range factor control supply voltage rated value	
<ul style="list-style-type: none"> at DC 	0.85 ... 1.1
<ul style="list-style-type: none"> at AC <ul style="list-style-type: none"> at 50 Hz at 60 Hz 	0.85 ... 1.1
Power loss [W]	17 W

Control circuit/ Control

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

Installation/ mounting/ dimensions

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

Connections/Terminals

Type of electrical connection	screw-type terminals
Type of connectable conductor cross-sections	
<ul style="list-style-type: none"> solid 	1x (0.5 ... 2.5 mm ²), 2x (1.0 ... 1.5 mm ²)
<ul style="list-style-type: none"> finely stranded <ul style="list-style-type: none"> with core end processing 	1x (0.5 ... 2.5 mm ²), 2x (0.5 ... 1.0 mm ²)
Type of connectable conductor cross-sections at AWG conductors	
<ul style="list-style-type: none"> solid 	1x (20 ... 14), 2x (18 ... 16)

Certificates/approvals

General Product Approval	EMC	Declaration of Conformity
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Test Certificates	other
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[Type Test Certificates/Test Report](#)

[Confirmation](#)

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?mfb=3SK1230-1AW20>

Cax online generator

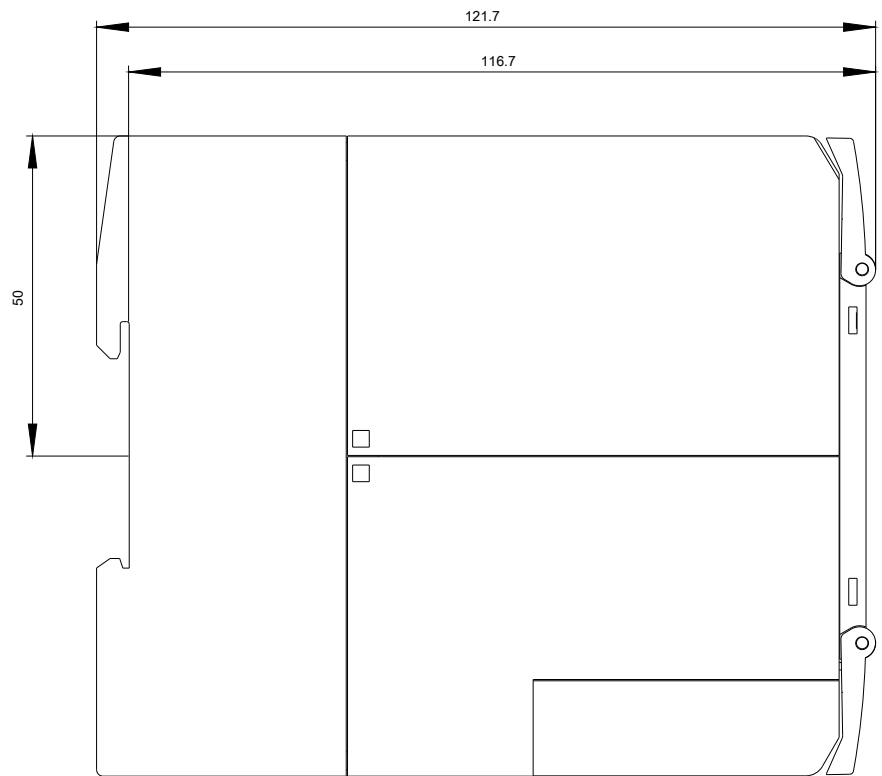
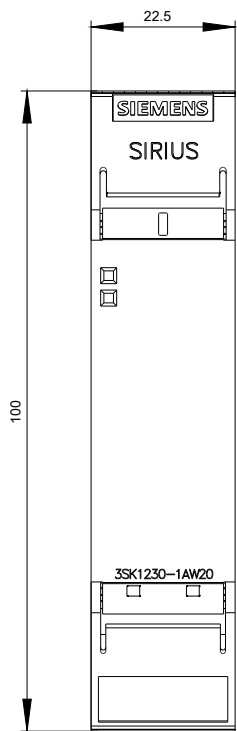
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3SK1230-1AW20>

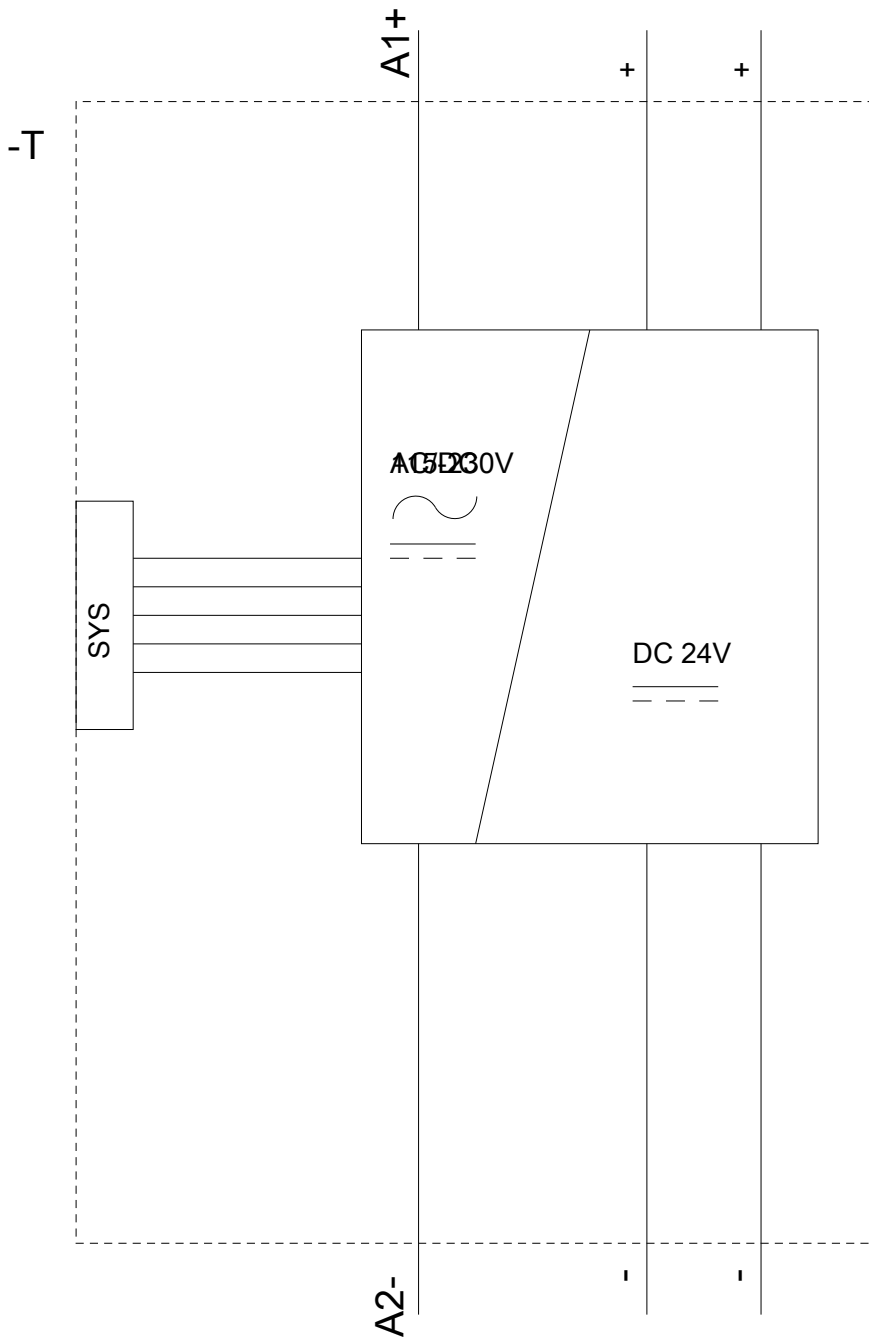
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<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?mfb=3SK1230-1AW20&lang=en





last modified:

06/28/2018