



SIRIUS safety relay Power supply for 3SK1 Advanced series $U_s = 110-240\text{ V}$
AC/DC screw terminal

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 according to SN 31205	900 ... 1 060 hPa
relative humidity during operation	10 ... 95 %
installation altitude at height above sea level maximum	4 000 m; Derating, see Product Notification 109792701
vibration resistance according 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
type of current supply	24 V / 0,6 A
galvanic isolation between input and output	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	
• 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
operating range factor control supply voltage rated value	
• at DC	0.85 ... 1.1
• at AC	
— at 50 Hz	0.85 ... 1.1
— 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
fastening method	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	1x (0.5 ... 2.5 mm ²), 2x (1.0 ... 1.5 mm ²)
<ul style="list-style-type: none"> • solid • finely stranded — with core end processing 	1x (0.5 ... 2.5 mm ²), 2x (0.5 ... 1.0 mm ²)
type of connectable conductor cross-sections for AWG cables	
<ul style="list-style-type: none"> • solid 	1x (20 ... 14), 2x (18 ... 16)

Certificates/ approvals

General Product Approval



[Confirmation](#)



EMV	Functional Safety	Test Certificates	other
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RCM

[Type Examination Certificate](#)

[Type Test Certificates/Test Report](#)

[Confirmation](#)

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

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

Cax online generator

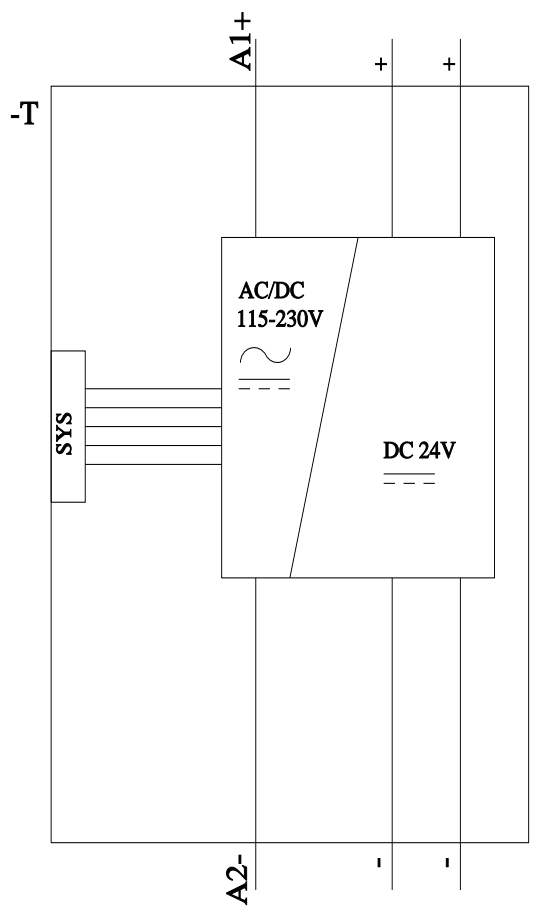
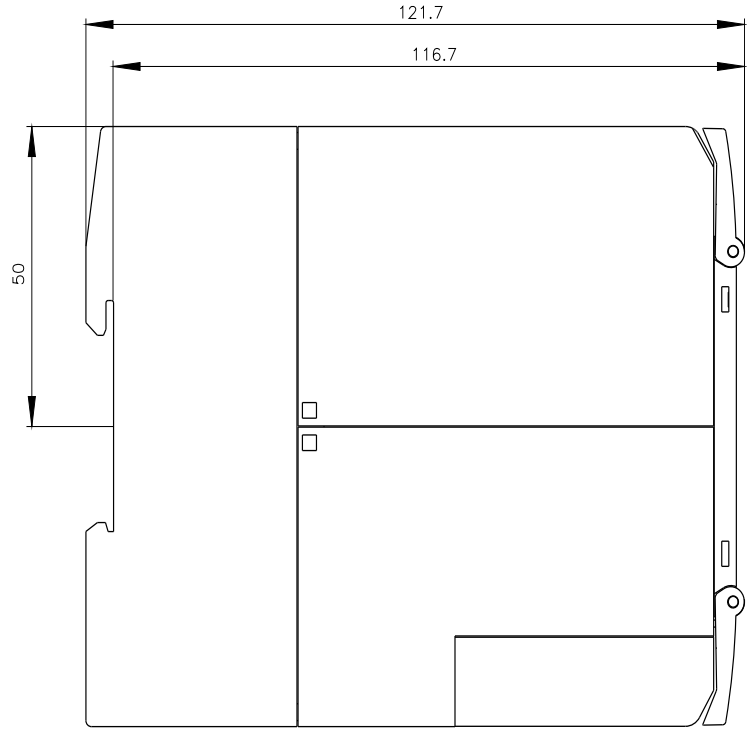
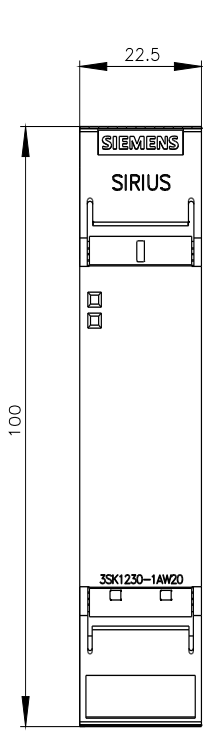
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SK1230-1AW20>

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



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