



SIRIUS SAFETY RELAY POWERSUPPLY FOR 3SK1
ADVANCED SERIES US = 115 - 230 V AC SCREW
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 | | screw-type terminals |
| Type of the connectable conductor cross-section | | |
| • solid | | 1x (0.5 ... 2.5 mm ²), 2x (1.0 ... 1.5 mm ²) |
| • finely stranded | | |
| • with wire end processing | | 1x (0.5 ... 2.5 mm ²), 2x (0.5 ... 1.0 mm ²) |
| Type of the connectable conductor cross-section / for AWG conductors | | |
| • solid | | 1x (20 ... 14), 2x (18 ... 16) |

Certificates/approvals:

General Product Approval

EMC

Declaration of
Conformity

Test Certificates



[Type Test
Certificates/Test
Report](#)

CSA

UL

C-TICK

EG-Konf.

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:

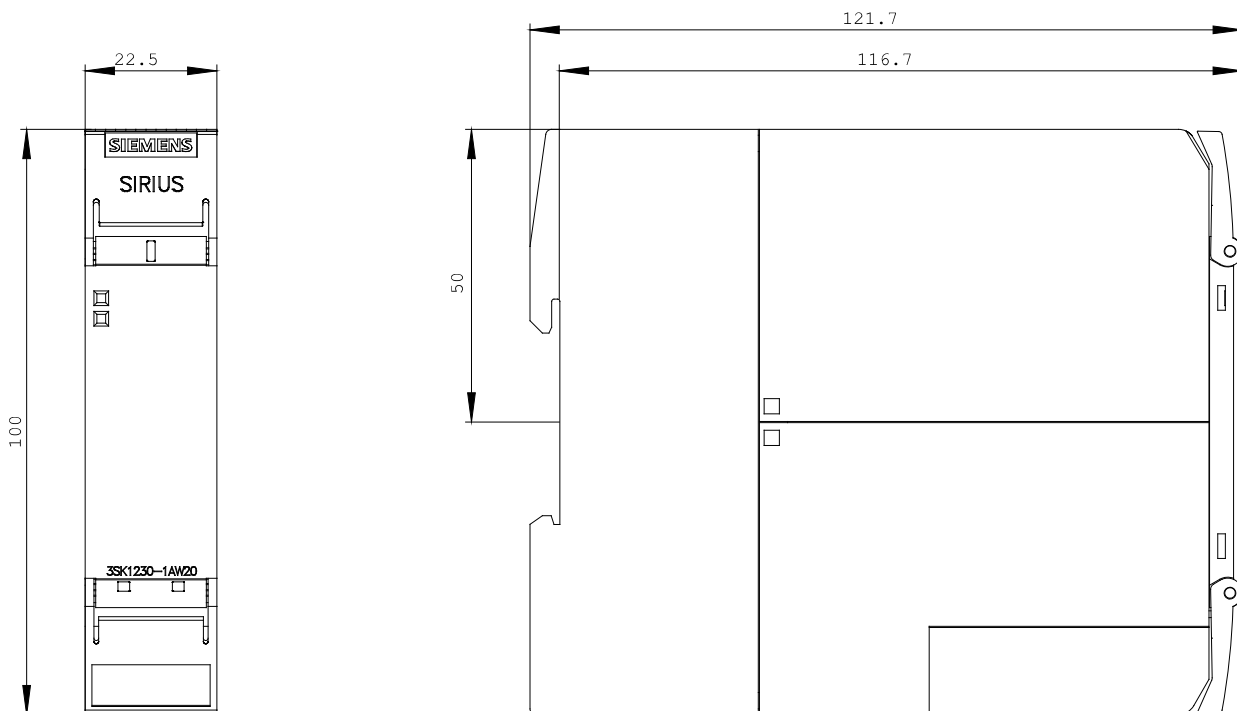
<http://www.siemens.com/cax>

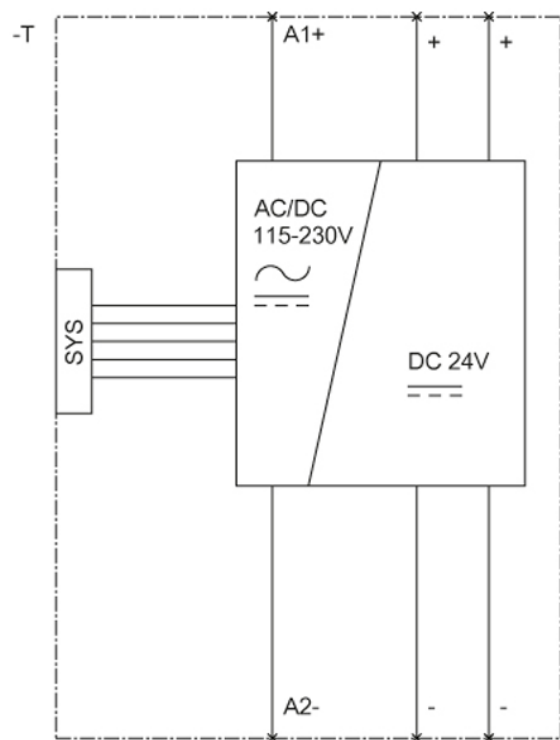
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<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





last change:

Mar 11, 2013