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## Product data sheet 3RK1408-8KE00-0AA2

AS-INTERFACE SLIMLINE MODULE S22.5,
EARTH FAULT MONITORING,
IP20,1 X 1INPUT, REMOTE RESET,
2 X SIGNAL OUTPUT, RELAY,
1A DC12 1A (2A MAX.) DC13 500MA (24V) SCREW-TYPE TERMINAL CONNECT.,
MODULE WIDTH 22.5 MM,
NO AS-I ADDRESS REQUIRED AS-INTERFACE MONITORING ONLY

| General technical data: | | |
|---|---|---|
| **Design of the product** | | ground-fault detection modules - modules with special functions |
| **Product function** | | |
| • short-circuit to earth recognition | | Yes |
| • counter | | No |
| • overvoltage recognition | | No |
| **Protocol / is supported / AS interface protocol** | | Yes |
| **Design of the electrical connection / of the inputs and outputs** | | screw-type terminals |
| **AS interface / total current input / max** | mA | 40 |
| **Earth fault** | | 10% Uas-i <= Ugnd <= 90% Uas-i |
| **Addressing** | | the module does not need its own AS-Interface address |
| **Signal range** | | |
| • low signal / Iin / max | mA | 1.5 |
| • high signal | | |
| • Uin / min | V | 10 |
| • Iin / min | mA | 6 |
| **Current carrying capacity** | | |
| • DC-12 | A | 1 |
| • DC-13 | | |


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| | | |
|---|---|---|
| • 24 V | mA | 500 |
| • 48 V | mA | 200 |
| **Operating cycles / DC-12** | | 2,000,000 |
| **Rated operational voltage / DC** | V | 24 … 48 |
| **Rated temperature** | °C | 25 |
| **AS interface / Connection / Polarity reversal protection** | | built-in |
| **Note 1** | | If repeaters are used, a ground fault detection module must be used for each AS-Interface segment (number of AS-Interface power supply units = number of ground fault detection modules) |
| **Note 2** | | Uaux should be protected by a 2 A slow fuse. The endurance of the relay can be increased if inductive loads are connected using freewheel diodes. |
| **Reference code** | | |
| • according to DIN 40719 extended according to IEC 204-2 / according to IEC 750 | | A |
| • according to DIN EN 61346-2 | | K |

## Status display

## Ambient conditions:

| | | |
|---|---|---|
| **Ambient temperature** | | |
| • during operating | °C | -25 … +70 |
| • during storage | °C | -40 … +85 |
| **Protection class IP** | | IP20 |

## Mechanical design:

| | | |
|---|---|---|
| **Width** | mm | 22.5 |
| **Height** | mm | 102 |
| **Depth** | mm | 86 |
| **Mounting type** | | standard rail mounting/wall mounting |

### General Product Approval

CSA GOST UL

### Shipping Approval

ABS BUREAU VERITAS LRS PRS RINA RMRS

### other

Confirmation Declaration of Conformity other Environmental Confirmations


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## Further information:

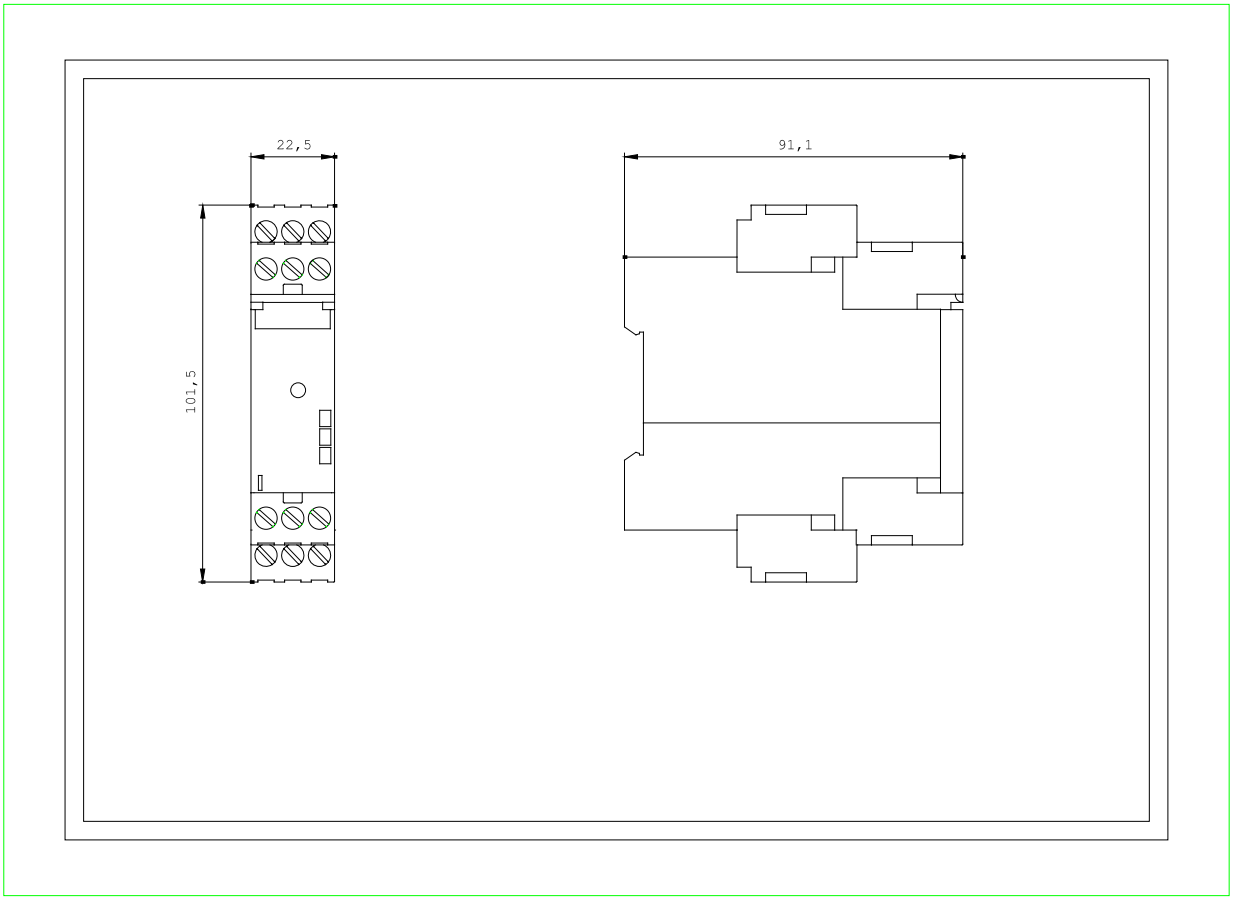
**Information- and Downloadcenter (Catalogs, Brochures,…)**
http://www.siemens.com/industrial-controls/catalogs

**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/3RK1408-8KE00-0AA2/all

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK1408-8KE00-0AA2

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