



AS-i ground fault module IP20 S22.5, ground fault monitoring 1 input, remote reset 2 x signaling output, Relay DC-12 1 A / DC-13 500 mA (24 V) Screw terminal connection Overall width 22.5 mm No AS-i address required Only AS-Interface monitoring

General technical data		
<b>Design of the product</b>		ground-fault detection modules - modules with special functions
<b>Product function</b>		
• Ground fault detection		Yes
• counter		No
• Overvoltage detection		No
<b>Protocol is supported AS-Interface protocol</b>		Yes
<b>Type of electrical connection of the inputs and outputs</b>		screw-type terminals
<b>AS interface total current input max</b>	mA	40
<b>Earth fault</b>		10% U <sub>as-i</sub> ≤ U <sub>gnd</sub> ≤ 90% U <sub>as-i</sub>
<b>Addressing</b>		the module does not need its own AS-Interface address
<b>Signal range</b>		
• low signal lin max	mA	1.5
• high signal		
— U <sub>in</sub> min	V	10
— lin min	mA	6

<b>Current carrying capacity</b>		
• DC-12	A	1
• DC-13		
— 24 V	mA	500
— 48 V	mA	200
<b>Operating cycles DC-12</b>		2 000 000
<b>Rated operational voltage DC</b>	V	24 ... 48
<b>Rated temperature</b>	°C	25
<b>AS interface Connection Polarity reversal protection</b>		built-in
<b>Note 1</b>		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)
<b>Note 2</b>		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.
<b>Reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750</b>		A
<b>Reference code acc. to DIN EN 61346-2</b>		K

#### Ambient conditions

<b>Ambient temperature</b>		
• during operation	°C	-25 ... +70
• during storage	°C	-40 ... +85
<b>Protection class IP</b>		IP20

#### Mechanical data

<b>Width</b>	mm	22.5
<b>Height</b>	mm	102
<b>Depth</b>	mm	86
<b>Mounting type</b>		standard rail mounting/wall mounting

#### Certificates/ approvals

## General Product Approval



CSA



UL



RCM



EG-Konf.

[Miscellaneous](#)

## Shipping Approval



ABS



BUREAU  
VERITAS



LRS



PRS



RINA



RMRS

## other

[Confirmation](#)

[Miscellaneous](#)

## Further information

### 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=3RK1408-8KE00-0AA2>

### Cax online generator

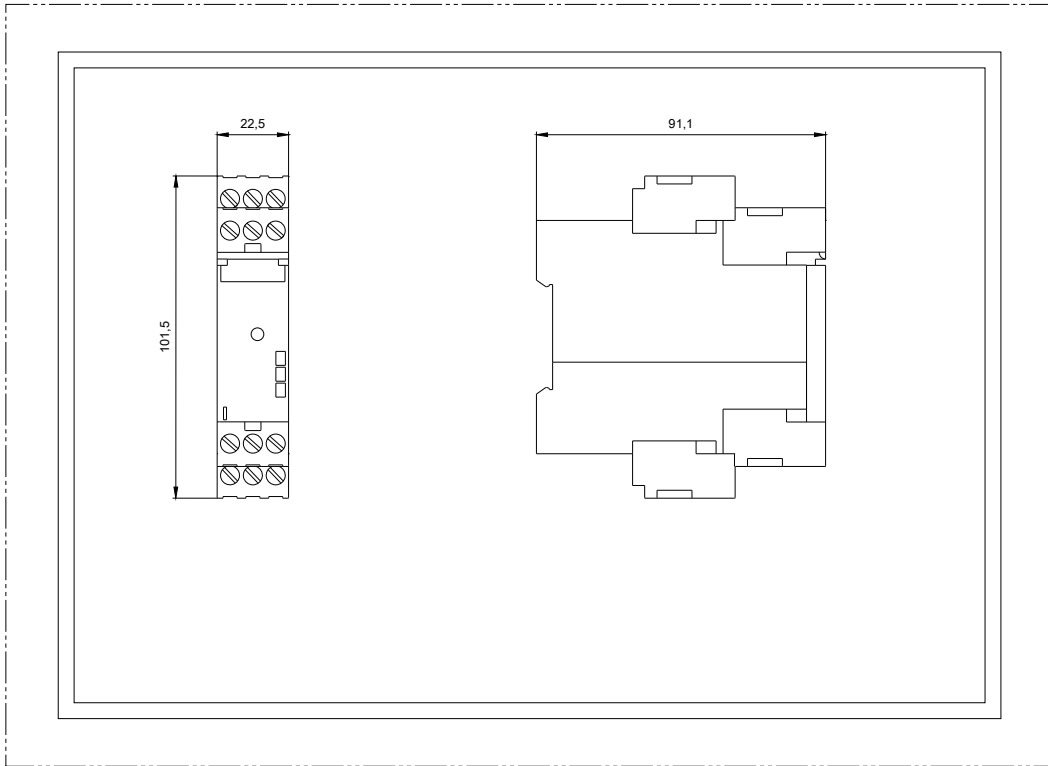
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1408-8KE00-0AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1408-8KE00-0AA2>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK1408-8KE00-0AA2&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1408-8KE00-0AA2&lang=en)



last modified:

04/07/2020