



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) CAGE-CLAMP, MODULE WIDTH 22.5 MM, NO AS-I ADDRESS REQUIRED AS-INTERFACE MONITORING ONLY

General technical data:

<b>Design of the product</b>		ground-fault detection modules - modules with special functions
<b>Product function</b>		
<ul style="list-style-type: none"> <li>• Ground fault detection</li> <li>• counter</li> <li>• Overvoltage detection</li> </ul>		Yes No No
<b>Protocol is supported AS-interface protocol</b>		Yes
<b>Type of electrical connection of the inputs and outputs</b>		spring-loaded 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>		
<ul style="list-style-type: none"> <li>• low signal lin max</li> <li>• high signal</li> <li>— U<sub>in</sub> min</li> <li>— lin min</li> </ul>	mA V mA	1.5 10 6
<b>Current carrying capacity</b>		
<ul style="list-style-type: none"> <li>• DC-12</li> <li>• DC-13</li> <li>— 24 V</li> <li>— 48 V</li> </ul>	A mA mA	1 500 200
<b>Operating cycles DC-12</b>		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.
Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750		A
Equipment marking acc. to DIN EN 61346-2		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	103
<b>Depth</b>	mm	86
<b>Mounting type</b>		standard rail mounting/wall mounting
<b>Conductor cross-section</b>		
• solid		2 x (0.25 - 1.5) mm <sup>2</sup>
• finely stranded		
— with end sleeve		2 x (0,25 - 1) mm <sup>2</sup>
— without end sleeve		2 x (0.25 - 1.5) mm <sup>2</sup>
• AWG solid or stranded		AWG 2 x (24 - 16) mm <sup>2</sup>

#### Certificates/ approvals:

## General Product Approval



CSA



GOST



UL



ABS



BUREAU  
VERITAS

## Shipping Approval



LRS



PRS



RINA



RMRS

## other

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## other

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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/industrymall>

### Cax online generator

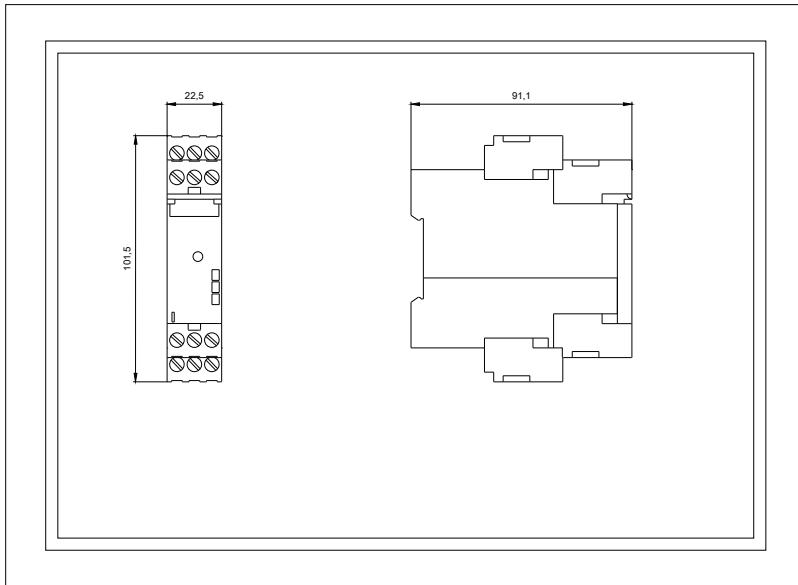
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK14088KG000AA2>

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

<http://support.automation.siemens.com/WW/view/en/3RK14088KG000AA2/all>

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

<http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RK14088KG000AA2&lang=en>



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