



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		
Design of the product		ground-fault detection modules - modules with special functions
Product function		
• Ground fault detection		Yes
• counter		No
• Overvoltage detection		No
Protocol is supported AS-Interface protocol		Yes
Type of 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 lin max	mA	1.5
• high signal		
— Uin min	V	10
— lin min	mA	6

Current carrying capacity • DC-12 • DC-13 — 24 V — 48 V	A	1
	mA	500
	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 acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750		A
Reference code acc. to DIN EN 61346-2		K

Ambient conditions

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

Mechanical data

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

Certificates/approvals

General Product Approval			EMC	Declaration of Conformity	
					Miscellaneous
CSA	UL		RCM	EG-Konf.	

Shipping Approval					
					
ABS	BUREAU VERITAS	LRS	PRS	RINA	RMRS

other	
Confirmation	Miscellaneous

Further information

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

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1408-8KE00-0AA2>

Cax online generator

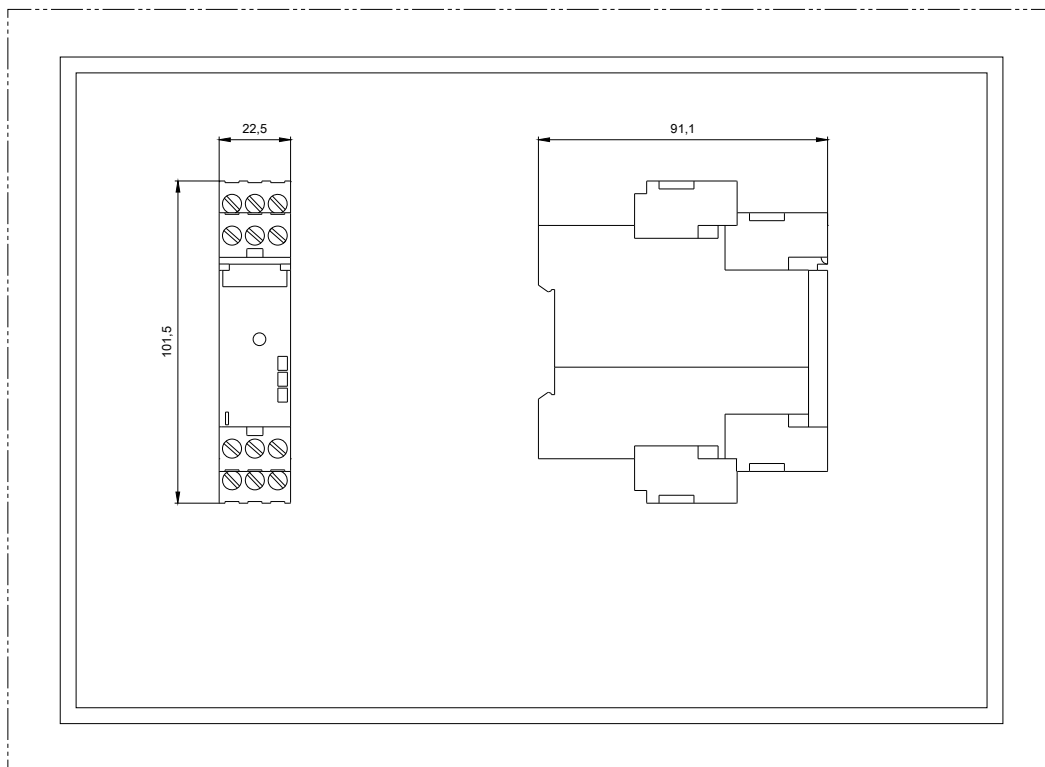
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1408-8KE00-0AA2>

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



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