SIEMENS

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) Spring-type terminal 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		spring-loaded 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		
— 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
reference code according to EN 61346-2		K
Ambient conditions		
ambient temperature		
● during operation	°C	-25 ... +70
● during storage	°C	-40 ... +85
protection class IP		IP20
Mechanical data		
width	mm	22.5
height	mm	103

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depth	mm	86
fastening method		standard rail mounting/wall mounting
Conductor cross-section		
● solid		2 x (0.25 - 1.5) mm²
● finely stranded		
— with end sleeve		2 x (0,25 - 1) mm²
— without end sleeve		2 x (0.25 - 1.5) mm²
● AWG solid or stranded		AWG 2 x (24 - 16) mm²

Certificates/ approvals

General Product Approval			EMC	Declaration of Conformity	
[Confirmation](#)	UL	EAC	RCM	UK CA	CE EG-Konf.

Marine / Shipping				other	
BUREAU VERITAS	Lloyd's Register LRS	PRS	DNV·GL	[Confirmation](#)	[Miscellaneous](#)

Further information

Siemens has decided to exit the Russian market (see here).
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.
Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3RK1408-8KG00-0AA2
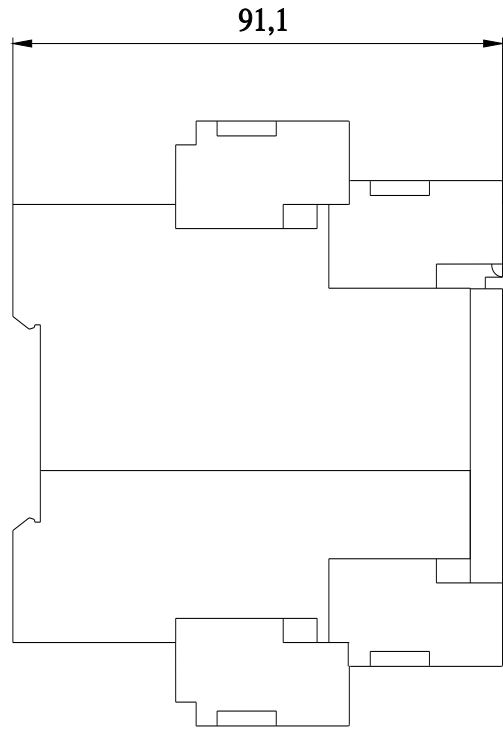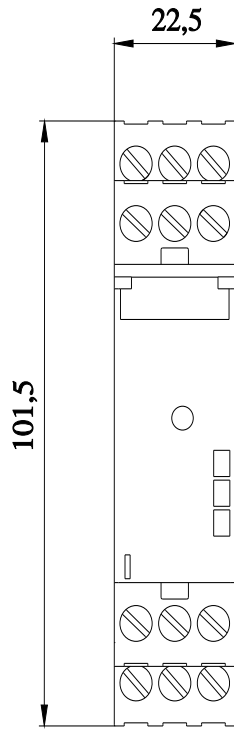
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1408-8KG00-0AA2

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RK1408-8KG00-0AA2

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1408-8KG00-0AA2&lang=en

22,5

101,5

91,1

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