



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 ≤ U _{gnd} ≤ 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		
— U _{in} min	V	10
— lin 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		U _{aux} 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	102

depth	mm	86
fastening method		standard rail mounting/wall mounting
Certificates/ approvals		
General Product Approval		EMV



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Maritime application	other	Environment		
		Confirmation	Miscellaneous	Environmental Confirmations

Further information

Information on the packaging
<https://support.industry.siemens.com/cs/ww/en/view/109813875>
 Information for data generation and storage
<https://support.industry.siemens.com/cs/ww/en/view/109995012>
 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
<https://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, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1408-8KE00-0AA2&lang=en



