



INSULATION MONITORING RELAY FOR
 UNGROUNDED (IT) NETWORKS UP TO 400 V AC, 15
 - 400 HZ AND UP TO 600 V DC MEASURING RANGE
 1 - 100/2 - 200 KOHM SUPPLY VOLTAGE AC/DC 24-
 240 V WIDTH 45 MM 1+1 OR 2 CO CONTACTS;
 SCREW

Product function	Insulation monitor
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Measuring circuit:

Adjustable response value impedance		
• 1	kΩ	1 ... 100
• 2	kΩ	2 ... 200
Measurable line frequency	Hz	15 ... 400
System leakage capacitance	μF	20

General technical data:

Product function		
• Insulation monitoring		Yes
• Fault storage		Yes
Product component Insulation value display		No
Type of voltage		
• for monitoring		AC/DC
• for actuation		AC/DC
• of the control supply voltage		AC/DC
Operating frequency Rated value	Hz	15 ... 400
Control supply voltage		
• with AC		
— at 50 Hz Rated value	V	24 ... 240
— at 60 Hz Rated value	V	24 ... 240
• for DC Rated value	V	24 ... 240
Operating range factor control supply voltage rated value		





<ul style="list-style-type: none"> • with AC <ul style="list-style-type: none"> — at 50 Hz — at 60 Hz • for DC 		0.85 ... 1.1
		0.85 ... 1.1
		0.85 ... 1.1
Surge voltage resistance Rated value	V	4 000
Protection class IP		IP20
Thermal current of the switching element with contacts maximum	A	4
Ambient temperature during operation	°C	-25 ... +60

Mechanical data:

Width	mm	45
Height	mm	78
Depth	mm	100
mounting position		any
Required spacing for grounded parts		
<ul style="list-style-type: none"> • forwards 	mm	0
<ul style="list-style-type: none"> • Backwards 	mm	0
<ul style="list-style-type: none"> • at the side 	mm	0
<ul style="list-style-type: none"> • upwards 	mm	0
<ul style="list-style-type: none"> • downwards 	mm	0
Required spacing with side-by-side mounting		
<ul style="list-style-type: none"> • forwards 	mm	0
<ul style="list-style-type: none"> • Backwards 	mm	0
<ul style="list-style-type: none"> • at the side 	mm	0
<ul style="list-style-type: none"> • upwards 	mm	0
<ul style="list-style-type: none"> • downwards 	mm	0
Required spacing for live parts		
<ul style="list-style-type: none"> • forwards 	mm	0
<ul style="list-style-type: none"> • Backwards 	mm	0
<ul style="list-style-type: none"> • at the side 	mm	0
<ul style="list-style-type: none"> • upwards 	mm	0
<ul style="list-style-type: none"> • downwards 	mm	0
Mounting type		snap-on fastening on 35 mm standard rail
Product function removable terminal for auxiliary and control circuit		No
Type of electrical connection		screw-type terminals
Type of connectable conductor cross-section		
<ul style="list-style-type: none"> • solid 		2x (0.75 ... 2.5 mm ²)
<ul style="list-style-type: none"> • finely stranded <ul style="list-style-type: none"> — with core end processing 		2x (0.75 ... 2.5 mm ²)
Tightening torque with screw-type terminals	N·m	0.6 ... 0.8
Number of NO contacts delayed switching		0

Number of NC contacts delayed switching		0
Number of CO contacts delayed switching		2

Certificates/ approvals:

General Product Approval	Test Certificates	Shipping Approval	other
 CCC	 EAC	 UL	Type Test Certificates/Test Report  GL
			Declaration of Conformity

other

[other](#)

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

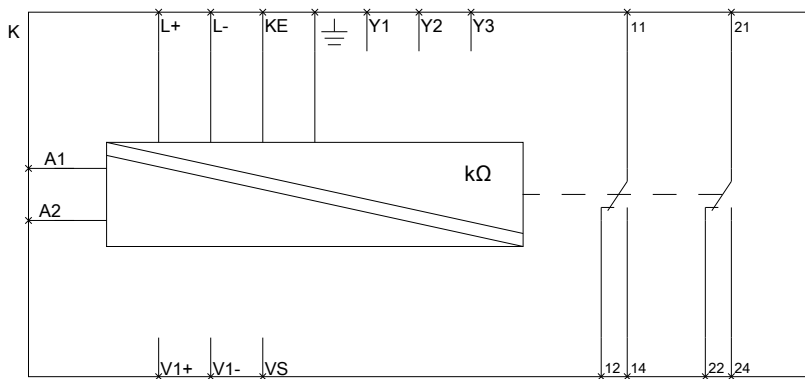
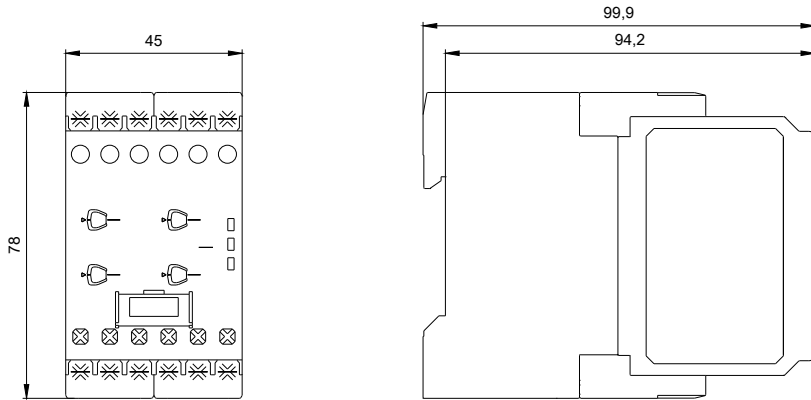
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3UG45831CW30>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3UG45831CW30>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3UG45831CW30&lang=en



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