



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
Network leakage resistance	μF	20

General technical details:

Product function		
• isolation control		Yes
• defect storage		Yes
Product component / isolation value indication		No
Type of current		
• for monitoring		AC/DC
• for actuation		AC/DC
• of control feed voltage		AC/DC
Operating frequency		
• rated value	Hz	15 ... 400
Control supply voltage		
• at 50 Hz / at AC		



<ul style="list-style-type: none"> • rated value 	V	24 ... 240
<ul style="list-style-type: none"> • at 60 Hz / at AC 		
<ul style="list-style-type: none"> • rated value 	V	24 ... 240
<ul style="list-style-type: none"> • for DC 		
<ul style="list-style-type: none"> • rated value 	V	24 ... 240
Operating range factor control supply voltage rated value		
<ul style="list-style-type: none"> • at 50 Hz 		
<ul style="list-style-type: none"> • for AC 		0.85 ... 1.1
<ul style="list-style-type: none"> • at 60 Hz 		
<ul style="list-style-type: none"> • for AC 		0.85 ... 1.1
<ul style="list-style-type: none"> • for DC 		0.85 ... 1.1
Impulse voltage resistance / rated value	V	4,000
Protection class IP		IP20
Thermal current / of the contact-affected switching element / maximum	A	4
Ambient temperature / during operating	°C	-25 ... +60

Mechanical design:

Width	mm	45
Height	mm	78
Depth	mm	100
mounting position		any
Distance, to be maintained, to earthed part		
<ul style="list-style-type: none"> • forwards 	mm	0
<ul style="list-style-type: none"> • backwards 	mm	0
<ul style="list-style-type: none"> • sideways 	mm	0
<ul style="list-style-type: none"> • upwards 	mm	0
<ul style="list-style-type: none"> • downwards 	mm	0
Distance, to be maintained, to the ranks assembly		
<ul style="list-style-type: none"> • forwards 	mm	0
<ul style="list-style-type: none"> • backwards 	mm	0
<ul style="list-style-type: none"> • sideways 	mm	0
<ul style="list-style-type: none"> • upwards 	mm	0
<ul style="list-style-type: none"> • downwards 	mm	0
Distance, to be maintained, conductive elements		
<ul style="list-style-type: none"> • forwards 	mm	0
<ul style="list-style-type: none"> • backwards 	mm	0
<ul style="list-style-type: none"> • sideways 	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
Design of the electrical connection		screw-type terminals
Type of the connectable conductor cross-sections		
• solid		2x (0.75 ... 2.5 mm ²)
• finely stranded		
• with wire 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 change-over switches / delayed switching		2

Certificates/approvals:

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

Further information:

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

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

Industry Mall (Online ordering system)

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

Cax online generator:

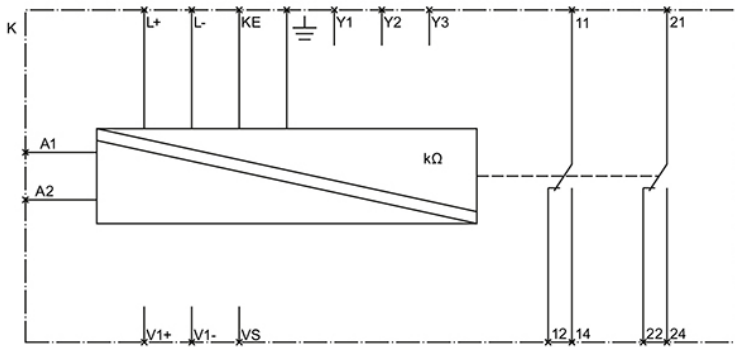
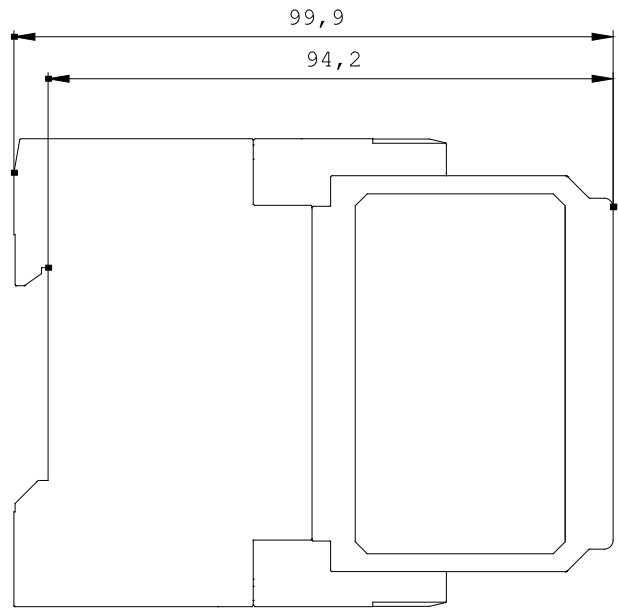
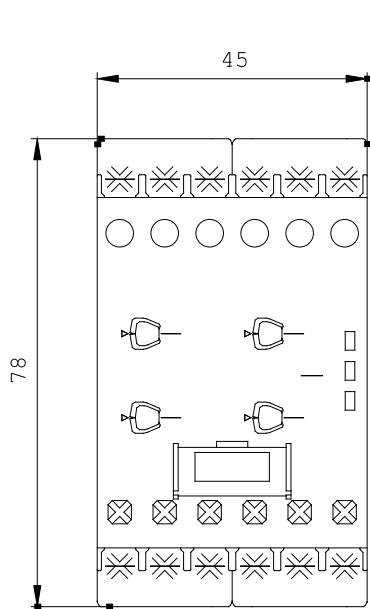
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3UG4583-1CW30/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3UG4583-1CW30



last change:

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2014