



INSULATION MONITORING RELAY FOR UNGROUNDED (IT) NETWORKS UP TO 400 V AC, 50 - 60 HZ MEASURING RANGE 1 - 100 KOHM SUPPLY VOLTAGE AC/DC 24-240 V 22.5MM, 1 CO CONTACT; SCREW

Product function		Insulation monitor
Measuring circuit:		
Adjustable response value impedance		
• 1	kΩ	1 ... 100
Measurable line frequency	Hz	50 ... 60
Network leakage resistance	μF	10
General technical details:		
Product function		
• isolation control		Yes
• defect storage		Yes
Product component / isolation value indication		No
Type of current		
• for monitoring		AC
• 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		
• rated value	V	24 ... 240

• at 60 Hz / at AC • rated value	V	24 ... 240
• for DC • rated value	V	24 ... 240
Operating range factor control supply voltage rated value • at 50 Hz • for AC • at 60 Hz • for AC • for DC		0.85 ... 1.1 0.85 ... 1.1 0.85 ... 1.1
Impulse voltage resistance / rated value	V	6,000
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	22.5
Height	mm	78
Depth	mm	100
mounting position		any
Distance, to be maintained, to earthed part • forwards • backwards • sideways • upwards • downwards	mm mm mm mm mm	0 0 0 0 0
Distance, to be maintained, to the ranks assembly • forwards • backwards • sideways • upwards • downwards	mm mm mm mm mm	0 0 0 0 0
Distance, to be maintained, conductive elements • forwards • backwards • sideways • upwards • downwards	mm mm mm mm mm	0 0 0 0 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 • finely stranded • with wire end processing		2x (0.75 ... 2.5 mm ²) 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		1

Certificates/approvals:

General Product Approval



CCC



UL

Test Certificates

[Type Test Certificates/Test Report](#)

other

[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:

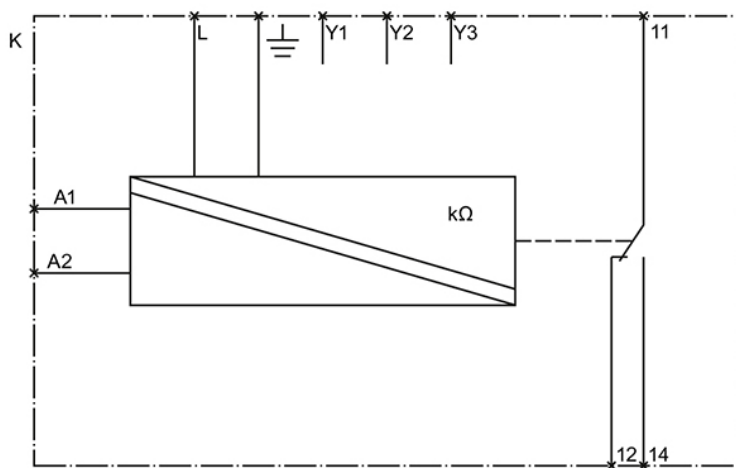
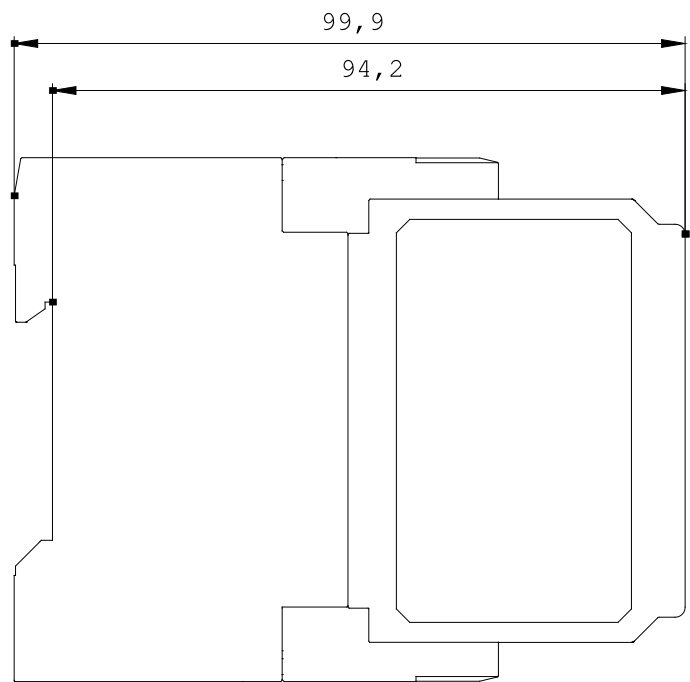
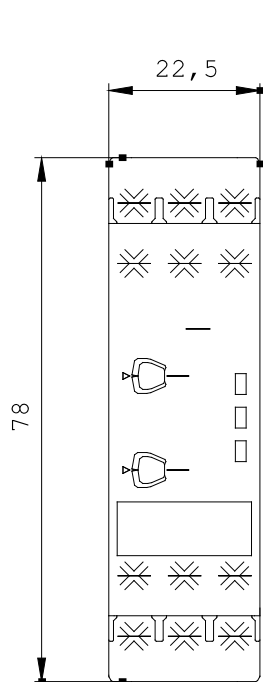
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3UG4581-1AW30/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3UG4581-1AW30



last change:

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