



INSULATION MONITORING RELAY FOR
UNGROUND (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
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		

• at AC — at 50 Hz rated value — at 60 Hz rated value • at DC rated value	V	24 ... 240
	V	24 ... 240
	V	24 ... 240
Operating range factor control supply voltage rated value		
• at AC — at 50 Hz — at 60 Hz • at 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		
• forwards	mm	0
• Backwards	mm	0
• at the side	mm	0
• upwards	mm	0
• downwards	mm	0
Required spacing with side-by-side mounting		
• forwards	mm	0
• Backwards	mm	0
• at the side	mm	0
• upwards	mm	0
• downwards	mm	0
Required spacing for live parts		
• forwards	mm	0
• Backwards	mm	0
• at the side	mm	0
• upwards	mm	0
• 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-sections		2x (0.75 ... 2.5 mm²)
• solid • finely stranded — with core end processing		2x (0.75 ... 2.5 mm²)
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	Declaration of Conformity	Test Certificates
 CCC	 UL	 EAC
	 EG-Konf.	Typprüfbescheinigung/Werkszeugnis spezielle Prüfbescheinigungen n

Shipping Approval	other	Railway
 GL	Bestätigungen	Schwingen/Schocke n

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

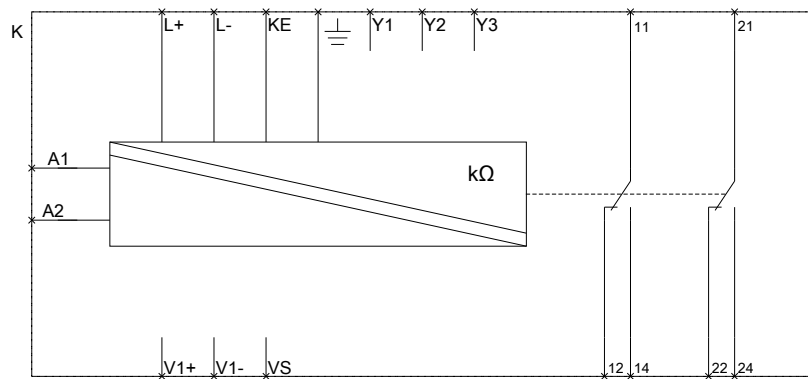
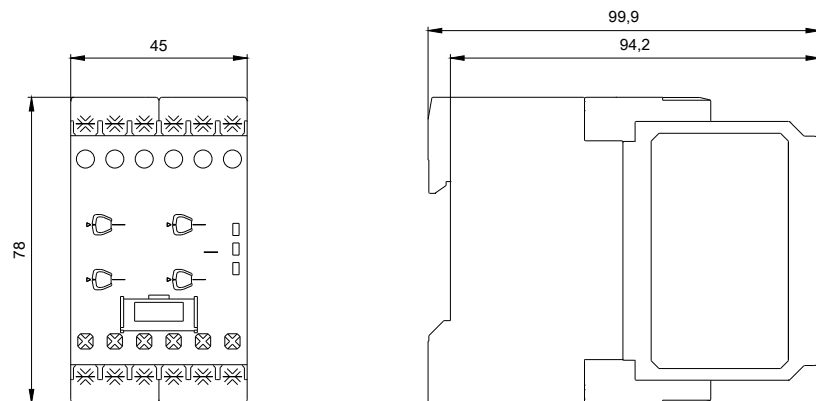
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3UG4583-1CW30>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3UG4583-1CW30>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3UG4583-1CW30&lang=en



last modified:

10/07/2016