SIEMENS

Data sheet 3UG4582-1AW30



Insulation monitoring relay for ungrounded (IT) supply systems up to 250 V AC, 15-400 Hz and up to 300 V DC Measuring range 1-100 kohm Supply voltage 24-240 V AC/DC 22.5 mm, 1 change-over contact screw terminal

product brand name	SIRIUS
product designation	Insulation monitoring relay with analog setting
product type designation	3UG4
General technical data	
product function	Insulation monitor
type of voltage	
● for monitoring	AC/DC
● of the operating voltage for actuation	AC/DC
● of the control supply voltage	AC/DC
surge voltage resistance rated value	6 000 V
protection class IP	IP20
thermal current of the switching element with contacts maximum	4 A
reference code acc. to IEC 81346-2	K
Product Function	
product function error memory	Yes
Control circuit/ Control	
control supply voltage at AC	
● at 50 Hz rated value	24 ... 240 V
● at 60 Hz rated value	24 ... 240 V
control supply voltage at DC rated value	24 ... 240 V
operating range factor control supply voltage rated value at DC	
● initial value	0.85
● full-scale value	1.1
operating range factor control supply voltage rated value at AC at 50 Hz	
● initial value	0.85
● full-scale value	1.1
operating range factor control supply voltage rated value at AC at 60 Hz	
● initial value	0.85
● full-scale value	1.1
Measuring circuit	
measurable line frequency	50 ... 60 Hz
Auxiliary circuit	
number of NC contacts for auxiliary contacts	0
number of NC contacts delayed switching	0

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number of NO contacts for auxiliary contacts	0
number of NO contacts delayed switching	0
number of CO contacts	
● delayed switching	1
Main circuit	
operating frequency rated value	15 ... 400 Hz
Connections/ Terminals	
product function removable terminal for auxiliary and control circuit	No
type of electrical connection	screw-type terminals
type of connectable conductor cross-sections	
● solid	2x (0.75 ... 2.5 mm²)
● finely stranded with core end processing	2x (0.75 ... 2.5 mm²)
● connectable conductor cross-section solid	0.75 ... 2.5 mm²
● connectable conductor cross-section finely stranded with core end processing	0.75 ... 2.5 mm²
● AWG number as coded connectable conductor cross section solid	20 ... 12
● AWG number as coded connectable conductor cross section stranded	18 ... 14
● tightening torque with screw-type terminals	0.6 ... 0.8 N·m
Installation/ mounting/ dimensions	
mounting position	any
fastening method	snap-on fastening on 35 mm standard rail
height	78 mm
width	22.5 mm
depth	100 mm
required spacing	
● with side-by-side mounting	
— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— downwards	0 mm
— at the side	0 mm
● for grounded parts	
— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— at the side	0 mm
— downwards	0 mm
● for live parts	
— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— downwards	0 mm
— at the side	0 mm
Ambient conditions	
● ambient temperature during operation	-25 ... +60 °C
Certificates/ approvals	

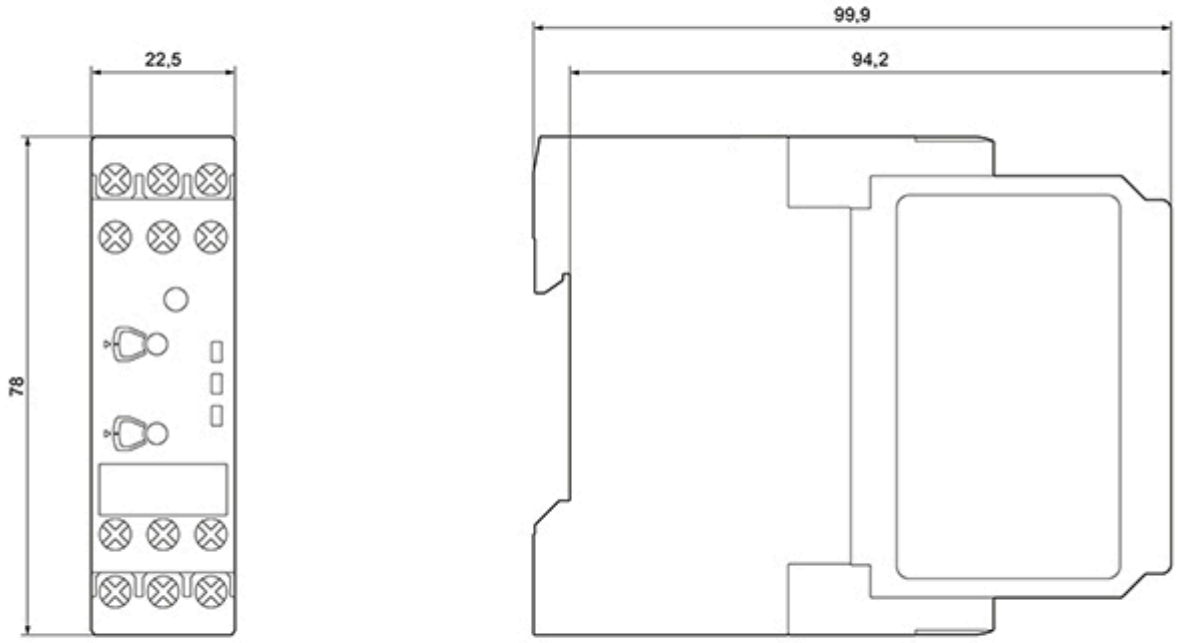
General Product Approval	EMC	Declaration of Conformity	Test Certificates
CCC UL RCM EG-Konf.		Miscellaneous	Special Test Certificate

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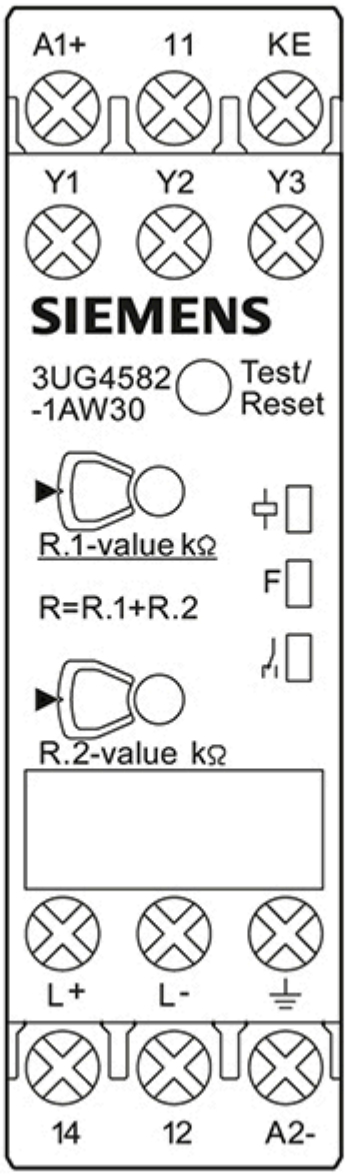
Marine / Shipping	other	Railway
	Confirmation	Vibration and Shock

Further information

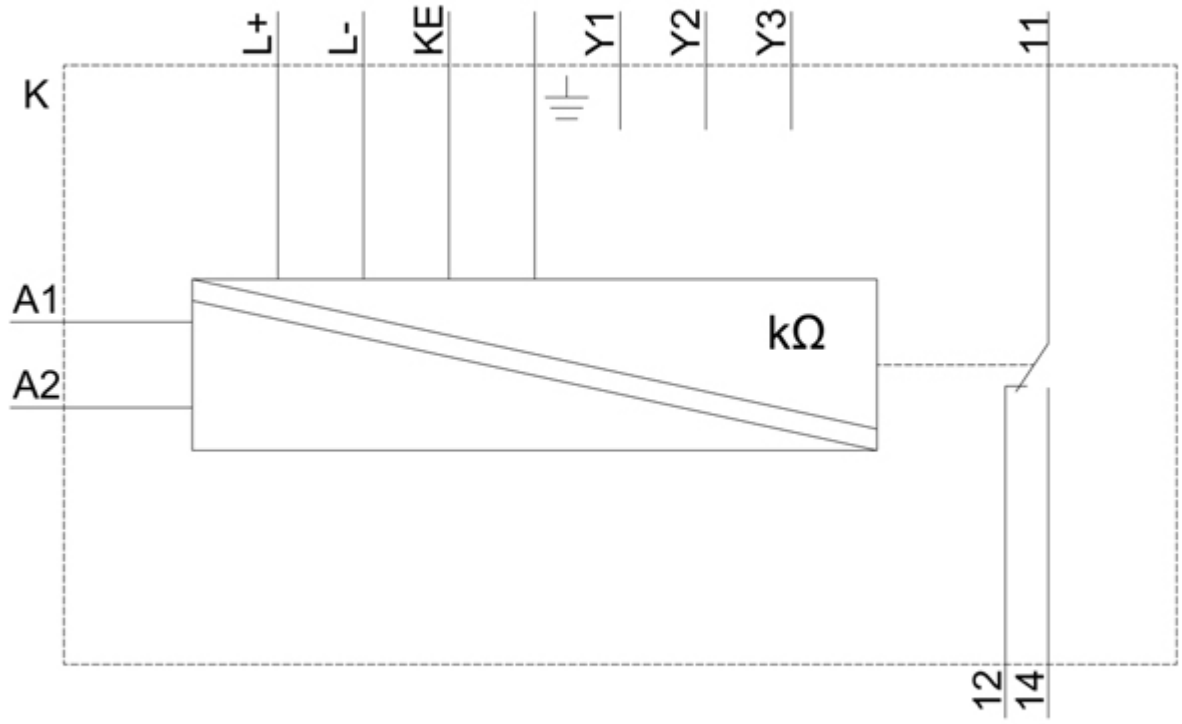
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