SIEMENS

Product data sheet 3UG4614-1BR20



DIGITAL MONITORING RELAY UNBALANCE 0-20% REVERSIBLE PHASE SEQUENCE PHASE FAILURE 3X 160 TO 690V AC 50 TO 60 HZ UNDERVOLTAGE 160-690V HYSTERESIS 1-20V ON AND OFF DELAY 0-20S 2 CHANGEOVER CONTACTS SCREW TERMINAL REPLACEMENT PRODUCT FOR 3UG3012-1A...

Product function		Phase monitoring relay
Measuring circuit:		
Type of voltage / for monitoring		AC
Number of poles / for main current circuit		3
Measurable voltage		
• with AC	V	160 690
Adjustable voltage range	V	160 690
Adjustable response delay time		
when starting	s	0.1 20
with lower or upper limit violation	S	0.1 20
Relative setting accuracy	%	0.2
Relative metering precision	%	5
Accuracy of digital display		+/-1 digit
Relative repeat accuracy	%	1
General technical details:		
Design of the display		LCD
Display version / LED		No
Product function		
undervoltage detection		Yes
Overvoltage detection		No

• Phase sequence recognition Yes • Phase failure detection Yes • Asymmetry recognition Yes • Overvoltage detection 3 phases No • Undervoltage detection 3 phases Yes • Auto-reset Yes • Auto-reset Yes • Adjustable open/closed-circuit current principle Tes Startup time / after the control supply voltage has been applied ms 1,000 Response time / maximum ms 450 Type of voltage / of the control supply voltage AC • with AC / at 50 Hz • AC • Raind value v 160 690 • with AC / at 50 Hz tal 50 Hz • Raind value v 160 690 • with AC tal 50 Hz tal 50 Hz • with AC tal 50 Hz tal 50 Hz • with AC tal 50 Hz tal 50 Hz • vith AC tal 50 Hz tal 50 Hz • vith AC tal 50 Hz tal 50 Hz • vith AC tal 50 Hz tal 50 Hz • vith AC tal 50 Hz			
- Asymmetry recognition - Overvoltage detection 3 phase - undervoltage detection 3 phases - Voltage window recognition 3 phases - Voltage window recognition 3 phase - Auto-reset - Adjustable open/closed-circuit current principle Startup time / after the control supply voltage has been applied Response time / maximum ms 450 Control supply voltage - with AC / at 50 Hz - *Rated value - with AC / at 60 Hz - *Rated value - with AC / at 60 Hz - *with AC / at 60 Hz - *with AC - *at 50 Hz - *with AC - *wit	phase sequence recognition		Yes
Overvoltage detection 3 phases undervoltage detection 3 phases voltage window recognition 3 phases Auto-reset Adjustable operviolosed-circuit current principle Startup time / after the control supply voltage has been applied Response time / maximum Type of voltage / of the control supply voltage Response time / maximum Type of voltage / of the control supply voltage Control supply voltage with AC / at 50 Hz *Rated value with AC / at 60 Hz *at 60 Hz *at 60 Hz *at 60 Hz *vith AC *at 60 Hz *vith AC *at 60 Hz *at 60 Hz *at 60 Hz *control supply voltage rated value *vith AC *at 60 Hz *vith AC *vith	Phase failure detection		Yes
• undervoltage detection 3 phases • Voltage window recognition 3 phase • Auto-reset • Adjustable openiclosed-circuit current principile • Auto-reset • Adjustable openiclosed-circuit current principile Startup time / after the control supply voltage has been applied Response time / maximum ms 450 Type of voltage / of the control supply voltage • with AC / at 50 Hz • Rated value • with AC / at 60 Hz • Rated value • with AC • at 50 Hz • with AC • at 50 Hz • with AC • at 60 Hz • with AC • at 60 Hz • the Active power consumption Protection class IP Electromagnetic compatibility Vibration resistance / acc. to IEC 60068-2-7 Shock resistance / acc. to IEC 60068-2-7 Shock resistance / acc. to IEC 60068-2-7 Conducted interference conductor-conductor SURGE / acc. to IEC 61000-4-5 Conducted interference conductor-conductor SURGE / acc. to IEC 61000-4-5 Electrostatic discharge / acc. to IEC 61000-4-2 Elect	Asymmetry recognition		Yes
Voltage window recognition 3 phase Auto-reset Adjustable open/closed-circuit current principle Startup time / after the control supply voltage has been applied Response time / maximum Type of voltage / of the control supply voltage **With AC / at 50 Hz **Rated value **with AC / at 60 Hz **Rated value **with AC / at 60 Hz	Overvoltage detection 3 phase		No
*Auto-reset *Adjustable open/closed-circuit current principle Yes Startup time / after the control supply voltage has been applied ms 1,000 Response time / maximum ms 450 Type of voltage / of the control supply voltage **Control supply voltage **With AC / at 50 Hz **Rated value	• undervoltage detection 3 phases		Yes
*** Adjustable open/closed-circuit current principle***	 Voltage window recognition 3 phase 		No
Startup time / after the control supply voltage has been applied Response time / maximum Type of voltage / of the control supply voltage Control supply voltage * with AC / at 50 Hz * Rated value * with AC / at 50 Hz * Rated value * with AC / at 50 Hz * Rated value * with AC / at 50 Hz * Rated value * with AC / at 50 Hz * Rated value * with AC / at 50 Hz * Rated value * with AC / at 50 Hz * with AC / at 50 Hz * at 50 Hz * with AC * at 50 Hz * with AC * at 60 Hz * with AC * at 60 Hz * W * Protection class IP Electromagnetic compatibility Vibration resistance / acc. to IEC 60068-2-6 Shock resistance / acc. to IEC 60068-2-7 Installation altitude / at height above sea level / maximum Conducted interference BURST / acc. to IEC 61000-4-4 Conducted interference conductor-conductor SURGE / acc. to IEC 61000-4-5 Electromagnetic conductor-conductor SURGE / acc. to IEC 61000-4-2 Conducted interference conductor-conductor SURGE / acc. to IEC 61000-4-5 Electrostatic discharge / acc. to IEC 61000-4-2 Field-bound parasitic coupling / acc. to IEC 61000-4-2 Fi	Auto-reset		Yes
Response time / maximum ms 450 Type of voltage / of the control supply voltage • with AC / at 50 Hz • Rated value • with AC / at 60 Hz • Rated value • with AC • at 50 Hz • at 50 Hz • at 50 Hz • with AC • at 50 Hz • at 60 Hz • at	Adjustable open/closed-circuit current principle		Yes
Type of voltage / of the control supply voltage • with AC / at 50 Hz • Rated value • with AC / at 60 Hz • Rated value • with AC / at 60 Hz • Rated value • with AC / at 60 Hz • at 50 Hz • at 50 Hz • with AC • at 60 Hz Surge voltage resistance / Rated value Active power consumption Protection class IP Electromagnetic compatibility Vibration resistance / acc. to IEC 60068-2-6 Shock resistance / acc. to IEC 60068-2-27 Installation altitude / at height above sea level / maximum Conducted interference BURST / acc. to IEC 61000-4-4 Conducted interference conductor-conductor SURGE / acc. to IEC Conducted interference conductor	Startup time / after the control supply voltage has been applied	ms	1,000
Control supply voltage • with AC / at 50 Hz • Rated value • with AC / at 60 Hz • Rated value Operating range factor control supply voltage rated value • with AC • at 50 Hz • with AC • at 60 Hz Surge voltage resistance / Rated value KV 6 Active power consumption Protection class IP Electromagnetic compatibility Vibration resistance / acc. to IEC 60068-2-6 Shock resistance / acc. to IEC 60068-2-7 Installation altitude / at height above sea level / maximum Conducted interference BURST / acc. to IEC 61000-4-4 Conducted interference conductor-conductor SURGE / acc. to IEC 61000-4-5 Electrostatic discharge / acc. to IEC 61000-4-2 Field-bound parasitic coupling / acc. to IEC 61000-4-3 Insulation voltage / for overvoltage category Ill according to IEC 60664 / with degree of pollution Ambient temperature	Response time / maximum	ms	450
• with AC / at 50 Hz • Rated value • with AC / at 60 Hz • Rated value Operating range factor control supply voltage rated value • with AC • at 50 Hz • with AC • at 60 Hz Surge voltage resistance / Rated value Active power consumption Protection class IP Electromagnetic compatibility Vibration resistance / acc. to IEC 60068-2-6 Shock resistance / acc. to IEC 60068-2-27 Installation altitude / at height above sea level / maximum Conducted interference BURST / acc. to IEC 61000-4-4 Conducted interference conductor-earth SURGE / acc. to IEC 61000-4-5 Electrostatic discharge / acc. to IEC 61000-4-2 Field-bound parasitic coupling / acc. to IEC 61000-4-3 Insulation voltage / for overvoltage category III according to IEC 60064 / with degree of pollution Ambient temperature V 160 690 1 1 1 1 1 1 1 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 2 1 3 6 500 Hz: 2g 3 1 3 500 Hz: 2g 4 1 5 500 Hz: 2g 5 1 5 500 Hz: 2g 5 500 Hz	Type of voltage / of the control supply voltage		AC
• Rated value • with AC / at 60 Hz • Rated value Operating range factor control supply voltage rated value • with AC • at 50 Hz • with AC • at 60 Hz Surge voltage resistance / Rated value Active power consumption Protection class IP Electromagnetic compatibility Electromagnetic compatibility Vibration resistance / acc. to IEC 60068-2-6 Shock resistance / acc. to IEC 60068-2-27 Installation altitude / at height above sea level / maximum Conducted interference BURST / acc. to IEC 61000-4-4 Conducted interference conductor-conductor SURGE / acc. to IEC 61000-4-5 Electrostatic discharge / acc. to IEC 61000-4-2 Field-bound parasitic coupling / acc. to IEC 61000-4-3 Insulation voltage / for overvoltage category Ill according to IEC 60664 / with degree of pollution 3 / Rated value Degree of pollution Ambient temperature	Control supply voltage		
*with AC / at 60 Hz *Rated value Operating range factor control supply voltage rated value *with AC *at 50 Hz *with AC *at 60 Hz *with AC *at 50 Hz *with AC *at 60 Hz *with AC *at 60 Hz *with AC *at 60 Hz *with AC *at 60 Hz *with AC *suits AC *with AC *at 50 Hz *with AC *at 60 Hz *with AC *at 50 Hz *with AC *at 60 Hz *with AC *at 50 Hz *with AC *at 60 Hz *with AC *with AC *at 50 Hz *with AC *at 60 Hz *with AC *wi	• with AC / at 50 Hz		
• Rated value Operating range factor control supply voltage rated value • with AC • at 50 Hz • with AC • at 60 Hz Surge voltage resistance / Rated value Active power consumption Protection class IP Electromagnetic compatibility Vibration resistance / acc. to IEC 60068-2-6 Shock resistance / acc. to IEC 60068-2-7 Installation altitude / at height above sea level / maximum Conducted interference conductor-carth SURGE / acc. to IEC 61000-4-4 Conducted interference conductor-conductor SURGE / acc. to IEC 61000-4-5 Electrostatic discharge / acc. to IEC 61000-4-2 Field-bound parasitic coupling / acc. to IEC 61000-4-3 Insulation voltage / for overvoltage category III according to IEC 600664 / with degree of pollution Ambient temperature	Rated value	V	160 690
Operating range factor control supply voltage rated value • with AC • at 50 Hz • with AC • at 60 Hz Surge voltage resistance / Rated value Active power consumption Protection class IP Electromagnetic compatibility Vibration resistance / acc. to IEC 60068-2-6 Shock resistance / acc. to IEC 60068-2-7 Installation altitude / at height above sea level / maximum Conducted interference BURST / acc. to IEC 61000-4-4 Conducted interference conductor-conductor SURGE / acc. to IEC 61000-4-5 Electrostatic discharge / acc. to IEC 61000-4-2 Field-bound parasitic coupling / acc. to IEC 61000-4-3 Insulation voltage / for overvoltage category III according to IEC 60068-4 / with degree of pollution 3 / Rated value Degree of pollution Ambient temperature	• with AC / at 60 Hz		
with AC at 50 Hz with AC at 60 Hz Surge voltage resistance / Rated value Active power consumption Protection class IP Electromagnetic compatibility Electromagnetic compatibility Vibration resistance / acc. to IEC 60068-2-6 Shock resistance / acc. to IEC 60068-2-7 Installation altitude / at height above sea level / maximum Conducted interference BURST / acc. to IEC 61000-4-4 Conducted interference conductor-earth SURGE / acc. to IEC 61000-4-5 Conducted interference conductor-conductor SURGE / acc. to IEC 61000-4-5 Electrostatic discharge / acc. to IEC 61000-4-3 Insulation voltage / for overvoltage category Ill according to IEC 60664 / with degree of pollution Ambient temperature	Rated value	V	160 690
• at 50 Hz • with AC • at 60 Hz Surge voltage resistance / Rated value Active power consumption Protection class IP Electromagnetic compatibility Vibration resistance / acc. to IEC 60068-2-6 Shock resistance / acc. to IEC 60068-2-7 Installation altitude / at height above sea level / maximum Conducted interference BURST / acc. to IEC 61000-4-4 Conducted interference conductor-earth SURGE / acc. to IEC 61000-4-5 Conducted interference conductor-conductor SURGE / acc. to IEC 61000-4-5 Electrostatic discharge / acc. to IEC 61000-4-3 Insulation voltage / for overvoltage category Ill according to IEC 60664 / with degree of pollution Ambient temperature	Operating range factor control supply voltage rated value		
* with AC * at 60 Hz Surge voltage resistance / Rated value kV 6 Active power consumption Protection class IP Electromagnetic compatibility Vibration resistance / acc. to IEC 60068-2-6 Shock resistance / acc. to IEC 60068-2-6 Shock resistance / acc. to IEC 60068-2-7 Installation altitude / at height above sea level / maximum Conducted interference BURST / acc. to IEC 61000-4-4 Conducted interference conductor-earth SURGE / acc. to IEC 61000-4-5 Conducted interference conductor-conductor SURGE / acc. to IEC 61000-4-5 Electrostatic discharge / acc. to IEC 61000-4-3 Electrostatic discharge / acc. to IEC 61000-4-3 Insulation voltage / for overvoltage category Ill according to IEC 60664 / with degree of pollution 3 / Rated value Degree of pollution Ambient temperature	• with AC		
• at 60 Hz Surge voltage resistance / Rated value Active power consumption Protection class IP Electromagnetic compatibility Electromagnetic compatibility IEC 60947-1 / IEC 61000-6-2 / IEC 61000-6-4 Vibration resistance / acc. to IEC 60068-2-6 Shock resistance / acc. to IEC 60068-2-7 Installation altitude / at height above sea level / maximum Conducted interference BURST / acc. to IEC 61000-4-4 Conducted interference conductor-earth SURGE / acc. to IEC 61000-4-5 Conducted interference conductor-conductor SURGE / acc. to IEC 61000-4-5 Electrostatic discharge / acc. to IEC 61000-4-2 Field-bound parasitic coupling / acc. to IEC 61000-4-3 Insulation voltage / for overvoltage category III according to IEC 60664 / with degree of pollution 3 / Rated value Degree of pollution Ambient temperature	• at 50 Hz		11
Surge voltage resistance / Rated value Active power consumption Protection class IP Electromagnetic compatibility Vibration resistance / acc. to IEC 60068-2-6 Shock resistance / acc. to IEC 60068-2-27 Installation altitude / at height above sea level / maximum Conducted interference BURST / acc. to IEC 61000-4-4 Conducted interference conductor-earth SURGE / acc. to IEC 61000-4-5 Conducted interference conductor-conductor SURGE / acc. to IEC 61000-4-5 Electrostatic discharge / acc. to IEC 61000-4-2 Field-bound parasitic coupling / acc. to IEC 61000-4-3 Insulation voltage / for overvoltage category III according to IEC 60664 / with degree of pollution Ambient temperature V 690	• with AC		
Active power consumption Protection class IP Electromagnetic compatibility IEC 60947-1 / IEC 61000-6-2 / IEC 61000-6-4 Vibration resistance / acc. to IEC 60068-2-6 Shock resistance / acc. to IEC 60068-2-7 Installation altitude / at height above sea level / maximum Conducted interference BURST / acc. to IEC 61000-4-4 Conducted interference conductor-earth SURGE / acc. to IEC 61000-4-5 Conducted interference conductor-conductor SURGE / acc. to IEC 61000-4-5 Electrostatic discharge / acc. to IEC 61000-4-2 Field-bound parasitic coupling / acc. to IEC 61000-4-3 Insulation voltage / for overvoltage category III according to IEC 60664 / with degree of pollution 3 / Rated value Degree of pollution Ambient temperature	• at 60 Hz		11
Protection class IP Electromagnetic compatibility Electromagnetic compatibility IEC 60947-1 / IEC 61000-6-2 / IEC 61000-6-4 Vibration resistance / acc. to IEC 60068-2-6 Shock resistance / acc. to IEC 60068-2-27 Sinusoidal half-wave 15g / 11 ms Installation altitude / at height above sea level / maximum Conducted interference BURST / acc. to IEC 61000-4-4 Conducted interference conductor-earth SURGE / acc. to IEC 61000-4-5 Conducted interference conductor-conductor SURGE / acc. to IEC 61000-4-5 Electrostatic discharge / acc. to IEC 61000-4-2 Field-bound parasitic coupling / acc. to IEC 61000-4-3 Insulation voltage / for overvoltage category III according to IEC 60664 / with degree of pollution 3 / Rated value Degree of pollution Ambient temperature	Surge voltage resistance / Rated value	kV	6
Electromagnetic compatibility IEC 60947-1 / IEC 61000-6-2 / IEC 61000-6-4 Vibration resistance / acc. to IEC 60068-2-6 Shock resistance / acc. to IEC 60068-2-7 Installation altitude / at height above sea level / maximum Conducted interference BURST / acc. to IEC 61000-4-4 Conducted interference conductor-earth SURGE / acc. to IEC 61000-4-5 Conducted interference conductor-conductor SURGE / acc. to IEC 61000-4-5 Electrostatic discharge / acc. to IEC 61000-4-2 Field-bound parasitic coupling / acc. to IEC 61000-4-3 Insulation voltage / for overvoltage category III according to IEC 60664 / with degree of pollution 3 / Rated value Degree of pollution Ambient temperature	Active power consumption	W	2
Vibration resistance / acc. to IEC 60068-2-6 Shock resistance / acc. to IEC 60068-2-27 Installation altitude / at height above sea level / maximum Conducted interference BURST / acc. to IEC 61000-4-4 Conducted interference conductor-earth SURGE / acc. to IEC 61000-4-5 Conducted interference conductor-conductor SURGE / acc. to IEC 61000-4-5 Electrostatic discharge / acc. to IEC 61000-4-2 Field-bound parasitic coupling / acc. to IEC 61000-4-3 Insulation voltage / for overvoltage category III according to IEC 60664 / with degree of pollution 3 / Rated value Degree of pollution Ambient temperature	Protection class IP		IP20
Shock resistance / acc. to IEC 60068-2-27 Installation altitude / at height above sea level / maximum Conducted interference BURST / acc. to IEC 61000-4-4 Conducted interference conductor-earth SURGE / acc. to IEC 61000-4-5 Conducted interference conductor-conductor SURGE / acc. to IEC 61000-4-5 Electrostatic discharge / acc. to IEC 61000-4-2 Field-bound parasitic coupling / acc. to IEC 61000-4-3 Insulation voltage / for overvoltage category III according to IEC 60664 / with degree of pollution 3 / Rated value Degree of pollution Ambient temperature	Electromagnetic compatibility		IEC 60947-1 / IEC 61000-6-2 / IEC 61000-6-4
Installation altitude / at height above sea level / maximum Conducted interference BURST / acc. to IEC 61000-4-4 Conducted interference conductor-earth SURGE / acc. to IEC 61000-4-5 Conducted interference conductor-conductor SURGE / acc. to IEC 61000-4-5 Electrostatic discharge / acc. to IEC 61000-4-2 Field-bound parasitic coupling / acc. to IEC 61000-4-3 Insulation voltage / for overvoltage category III according to IEC 60664 / with degree of pollution 3 / Rated value Degree of pollution Ambient temperature	Vibration resistance / acc. to IEC 60068-2-6		1 6 Hz: 15 mm, 6 500 Hz: 2g
Conducted interference BURST / acc. to IEC 61000-4-4 Conducted interference conductor-earth SURGE / acc. to IEC 61000-4-5 Conducted interference conductor-conductor SURGE / acc. to IEC 61000-4-5 Electrostatic discharge / acc. to IEC 61000-4-2 Field-bound parasitic coupling / acc. to IEC 61000-4-3 Insulation voltage / for overvoltage category III according to IEC 60664 / with degree of pollution 3 / Rated value Degree of pollution Ambient temperature	Shock resistance / acc. to IEC 60068-2-27		sinusoidal half-wave 15g / 11 ms
Conducted interference conductor-earth SURGE / acc. to IEC 61000-4-5 Conducted interference conductor-conductor SURGE / acc. to IEC 61000-4-5 Electrostatic discharge / acc. to IEC 61000-4-2 Field-bound parasitic coupling / acc. to IEC 61000-4-3 Insulation voltage / for overvoltage category III according to IEC 60664 / with degree of pollution 3 / Rated value Degree of pollution Ambient temperature	Installation altitude / at height above sea level / maximum	m	2,000
Conducted interference conductor-conductor SURGE / acc. to IEC 61000-4-5 Electrostatic discharge / acc. to IEC 61000-4-2 Field-bound parasitic coupling / acc. to IEC 61000-4-3 Insulation voltage / for overvoltage category III according to IEC 60664 / with degree of pollution 3 / Rated value Degree of pollution Ambient temperature	Conducted interference BURST / acc. to IEC 61000-4-4		2 kV
Electrostatic discharge / acc. to IEC 61000-4-2 Field-bound parasitic coupling / acc. to IEC 61000-4-3 Insulation voltage / for overvoltage category III according to IEC 60664 / with degree of pollution 3 / Rated value Degree of pollution Ambient temperature 6 kV contact discharge / 8 kV air discharge 10 V/m 690 3 Ambient temperature			2 kV
Field-bound parasitic coupling / acc. to IEC 61000-4-3 Insulation voltage / for overvoltage category III according to IEC 60664 / with degree of pollution 3 / Rated value Degree of pollution 3 Ambient temperature			1 kV
Insulation voltage / for overvoltage category III according to IEC 60664 / with degree of pollution 3 / Rated value Degree of pollution 3 / Rated value 3 Ambient temperature	Electrostatic discharge / acc. to IEC 61000-4-2		6 kV contact discharge / 8 kV air discharge
60664 / with degree of pollution 3 / Rated value Degree of pollution 3 Ambient temperature 3	Field-bound parasitic coupling / acc. to IEC 61000-4-3		10 V/m
Ambient temperature		V	690
	Degree of pollution		3
• during operation °C -25 +60	Ambient temperature		
	during operation	°C	-25 +60

during storage	°C	-40 +85
during transport	°C	-40 + 85
Galvanic isolation		
• between entrance and outlet		Yes
• between the outputs		Yes
 between the voltage supply and other circuits 		Yes

Mechanical design:		
Width	mm	22.5
Height	mm	92
Depth	mm	91
mounting position		any
Spacing required for grounded parts		
• forwards	mm	0
Backwards	mm	0
• at the side	mm	0
• upwards	mm	0
• downwards	mm	0
Spacing required with side-by-side mounting		
• forwards	mm	0
Backwards	mm	0
• at the side	mm	0
• upwards	mm	0
• downwards	mm	0
Spacing required for live parts		
• forwards	mm	0
Backwards	mm	0
• at the side	mm	0
• upwards	mm	0
• downwards	mm	0
Mounting type		snap-on mounting
Product function / removable terminal for auxiliary and control circuit		Yes
Design of the electrical connection		screw-type terminals
Type of connectable conductor cross-section		
• solid		1x (0.5 4 mm2), 2x (0.5 2.5 mm2)
finely stranded		
with core end processing		1x (0.5 2.5 mm2), 2x (0.5 1.5 mm2)
for AWG conductors		
• solid		2x (20 14)

• stranded		2x (20 14)
Tightening torque		
with screw-type terminals	N⋅m	0.8 1.2

Outputs:		
Number of NO contacts / delayed switching		0
Number of NC contacts / delayed switching		0
Number of CO contacts / delayed switching		2
Ampacity / of the output relay		
• at AC-15		
• at 250 V / at 50/60 Hz	Α	3
• at 400 V / at 50/60 Hz	Α	3
• at DC-13		
• at 24 V	Α	1
• at 125 V	Α	0.2
• at 250 V	Α	0.1
Thermal current / of the switching element with contacts / maximum	Α	5
Operating current / at 17 V / minimum	mA	5
Continuous current / of the DIAZED fuse link of the output relay	Α	4
Mechanical service life (switching cycles) / typical		10,000,000
Electrical endurance (switching cycles) / at AC-15 / at 230 V / typical		100,000
Operating frequency / with 3RT2 contactor / maximum	1/h	5,000

Certificates/approvals:

General Product Approval









other

EMC

Test Certificates

Special TestType TestCertificateCertificates/TestReport

Shipping Approval







Declaration of Conformity

other

Further information:

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

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

Industry Mall (Online ordering system)

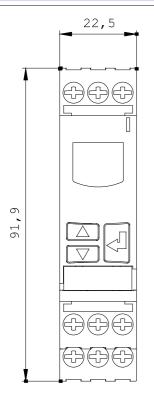
http://www.siemens.com/industrial-controls/mall

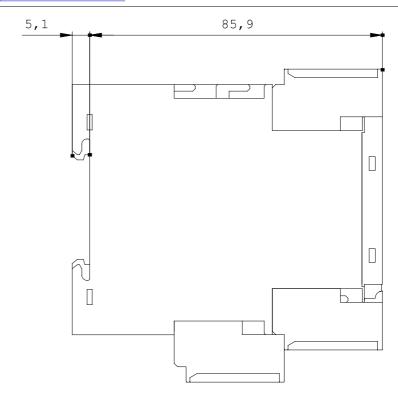
Cax online generator:

http://www.siemens.com/cax

http://support.automation.siemens.com/WW/view/en/3UG4614-1BR20/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3UG4614-1BR20





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