SIEMENS

Product data sheet 3UG4617-1CR20



DIGITAL MONITORING RELAY FOR THREE-PHASE LINE VOLTAGE AUT. CORRECTION OF PHASE SEQUENCE PHASE FAILURE 3X 160 TO 690V AC 50 TO 60 HZ UNDERVOLT. AND OVERVOLT. 160-690V HYSTERESIS 1 -20V OFF DELAY 0-20S 1 W FOR POWER SYSTEM FAULTS 1W FOR PHASE CORRECTION SCREW TERMINAL

Product function		Phase monitoring relay		
Measuring circuit:				
Type of voltage / for monitoring		AC		
Number of poles / for main current circuit		3		
Measurable voltage				
• for AC	V	160 690		
Adjustable voltage range	V	160 690		
Adjustable response delay time				
• with lower or upper limit violation	s	0.1 20		
Relative adjustment accuracy	%	0.2		
Relative metering precision	%	5		
Precision of digital display		+/-1 digit		
Relative repeat accuracy	%	1		
General technical details:				
Design of the display		LCD		

Type of display / LED

• undervoltage recognition

• overvoltage recognition

• phase sequence recognition

Product function

No

Yes

Yes

Yes

Posses disturbance recognition Response time / recognition of 3 phases Lundervoltage of the control supply voltage has been applied Maximum			
• overvoltage recognition of 3 phases • undervoltage recognition of 3 phases • undervoltage recognition of 3 phases • undervoltage recognition of 3 phases • self-reset • open-circuit or closed-circuit current principle • open-circuit or closed-circuit current principle • open-circuit or dissed-circuit current principle • open-circuit or closed-circuit curre	phase disturbance recognition		Yes
I undervoltage recognition of 3 phases I tension window recognition of 3 phases I self-neet I open-clicuit or dosed-circuit current principle Starting time / after the control supply voltage has been applied Response time / maximum Type of voltage / of the controlled supply voltage I state of the controlled supply voltage rated value I state of the control supply voltage rated value I stat	asymmetry recognition		Yes
** tension window recognition of 3 phases ** self-reset ** open-circuit or closed-circuit current principle ** Starting time / after the control supply voltage has been applied ** response time / maximum Type of voltage / of the controlled supply voltage ** at 50 Hz / at AC ** rated value ** at 60 Hz / at AC ** rated value ** of AC ** Operating range factor control supply voltage rated value ** at 50 Hz / at AC ** rated value ** of AC ** rated value ** Operating range factor control supply voltage rated value ** at 50 Hz / at AC ** rated value ** Operating range factor control supply voltage rated value ** at 50 Hz / at AC ** rated value ** Operating range factor control supply voltage rated value ** of AC ** rated value ** Operating range factor control supply voltage rated value ** of AC ** rated value ** Operating range factor control supply voltage rated value ** of AC ** rated value ** Operating range factor control supply voltage rated value ** of AC ** rated value ** Operating range factor control supply voltage rated value ** of AC ** rated value ** Operating range factor control supply voltage rated value ** of AC ** rated value ** Operating range factor control supply voltage rated value ** of AC ** rated value ** Operating range factor control supply voltage rated value ** of AC	 overvoltage recognition of 3 phases 		Yes
*self-reset *open-circuit or closed-circuit current principle Starting time / after the control supply voltage has been applied Response time / maximum Type of voltage / of the controlled supply voltage *at 50 Hz / at AC *rated value *at 60 Hz / at AC *rated value *or AC *at 50 Hz *for AC *for AC	 undervoltage recognition of 3 phases 		Yes
* open-circuit or closed-circuit current principle Starting time / after the control supply voltage has been applied Response time / maximum Type of voltage / of the controlled supply voltage * at 50 Nz / at AC * crated value * at 50 Hz / at AC * rated value * at 60 Hz / at AC * rated value * at 60 Hz / at AC * rated value * at 60 Hz / at AC * rated value * at 60 Hz / at AC * rated value * at 60 Hz / at AC * rated value * at 60 Hz / at AC * rated value * at 60 Hz / at AC * rated value * at 60 Hz / at AC * rated value * at 60 Hz / at AC * rated value * be for AC * at 60 Hz * for AC I 1 Impulse voltage resistance / rated value * kV 6 Recorded real power Protection class IP Flectormagnetic compatibility Resistance against vibration / according to IEC 60068-2-6 Resistance against vibration / according to IEC 60068-2-7 Resistance against vibration / according to IEC 60068-2-7 Installation altitude / at a height over sea level / maximum M 2.000 Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5 Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-5 Electrostatic discharge / according to IEC 61000-4-2 Field-bound parasitic coupling / according to IEC 61000-4-3 Insulation voltage / for overvoltage category III according to IEC 61000-4-5 Field-bound parasitic coupling / according to IEC 61000-4-5 Field-bound parasitic coupling / according to IEC 61000-4-5 Field-b	 tension window recognition of 3 phases 		Yes
Starting time / after the control supply voltage has been applied ms 450 Type of voltage / of the controlled supply voltage * at 50 Hz / at AC * rated value * at 60 Hz / at AC * rated value * at 60 Hz / at AC * rated value * of AC Operating range factor control supply voltage rated value * at 50 Hz * at 60 Hz * to AC Recorded real power Protection class IP Electromagnetic compatibility Resistance against vibration / according to IEC 60068-2-6 Resistance against shock / according to IEC 60068-2-7 Installation altitude / at a height over sea level / maximum m 2,000 Conductor-bound parasitic coupling BURST / according to IEC 61000-4-5 Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5 Electrostatic discharge / according to IEC 61000-4-5 Electrostatic discharge / according to IEC 61000-4-2 Field-bound parasitic coupling according to IEC 61000-4-3 Insulation voltage / for overvoltage category III according to IEC 66064 / with degree of pollution 3 / rated value • during operating **Counductor-bound parasitic coupling according to IEC **Counductor-bound parasitic coupling according to IEC **Gooded-for bound parasitic coupling according to IEC 61000-4-3 Insulation voltage / for overvoltage category III according to IEC **Gooded-for bound parasitic coupling according to IEC 61000-4-2 **Degree of pollution 3 / rated value	• self-reset		Yes
Response time / maximum ms 450 Type of voltage / of the controlled supply voltage - at 50 Hz / at AC - rated value - at 60 Hz / at AC - rated value - at 60 Hz / at AC - rated value - at 60 Hz / at AC - rated value - at 60 Hz / at AC - rated value - at 60 Hz / at AC - rated value - at 50 Hz - rate	open-circuit or closed-circuit current principle		No
Type of voltage / of the controlled supply voltage at 50 Hz / at AC • rated value at 60 Hz / at AC • rated value • at 60 Hz / at AC • rated value • at 50 Hz • for AC • at 60 Hz • for AC • to	Starting time / after the control supply voltage has been applied	ms	1,000
Control supply voltage • at 50 Hz / at AC • rated value • at 60 Hz / at AC • rated value • at 60 Hz / at AC • rated value • at 60 Hz / at AC • rated value • at 50 Hz / at AC • rated value • at 50 Hz • for AC • late 0 Hz • for AC • tate 0	Response time / maximum	ms	450
• at 50 Hz / at AC • rated value • at 60 Hz / at AC • rated value Operating range factor control supply voltage rated value • at 50 Hz • for AC • at 60 Hz • for AC Impulse voltage resistance / rated value Recorded real power Protection class IP Electromagnetic compatibility Resistance against vibration / according to IEC 60068-2-6 Resistance against vibration / according to IEC 60068-2-6 Resistance against shock / according to IEC 60068-2-7 Installation altitude / at a height over sea level / maximum m 2,000 Conductor-bound parasitic coupling BURST / according to IEC Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5 Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-2 Field-bound parasitic coupling / according to IEC 61000-4-2 Insulation voltage / for overvoltage category Ill according to IEC 6000-4-3 Insulation voltage / for overvoltage category Ill according to IEC 6000-4-3 Insulation voltage / for overvoltage category Ill according to IEC 6000-4-3 Ambient temperature • during operating °C -25 +60	Type of voltage / of the controlled supply voltage		AC
• rated value • at 60 Hz / at AC • rated value Operating range factor control supply voltage rated value • at 50 Hz • for AC • at 60 Hz • for AC • at 60 Hz • for AC • at 60 Hz • for AC • to	Control supply voltage		
• at 60 Hz / at AC • rated value Operating range factor control supply voltage rated value • at 50 Hz • for AC • at 60 Hz • for AC Impulse voltage resistance / rated value Recorded real power Protection class IP Electromagnetic compatibility Resistance against vibration / according to IEC 60068-2-6 Resistance against shock / according to IEC 60068-2-7 Installation altitude / at a height over sea level / maximum Conductor-bound parasitic coupling BURST / according to IEC 61000-6-2 Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5 Electrostatic discharge / according to IEC 61000-4-2 Field-bound parasitic coupling according to IEC 61000-4-3 Insulation voltage / for overvoltage category Ill according to IEC 6006-4 Ambient temperature • during operating **C **C **C **C **C **C **C *	• at 50 Hz / at AC		
* rated value Operating range factor control supply voltage rated value * at 50 Hz * for AC * at 60 Hz * for AC Impulse voltage resistance / rated value Recorded real power Protection class IP Electromagnetic compatibility Resistance against vibration / according to IEC 60068-2-67 Resistance against vibration / according to IEC 60068-2-27 Installation altitude / at a height over sea level / maximum Conductor-bound parasitic coupling BURST / according to IEC 61000-4-2 Field-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-2 Electrostatic discharge / according to IEC 61000-4-2 Field-bound parasitic coupling / according to IEC 61000-4-3 Insulation voltage / for overvoltage category III according to IEC 61000-4-3 Insulation voltage / for overvoltage category III according to IEC 61000-4-3 Insulation voltage / for overvoltage category III according to IEC 61000-4-3 Ambient temperature * during operating **C	• rated value	V	160 690
Operating range factor control supply voltage rated value • at 50 Hz • for AC • at 60 Hz • for AC Impulse voltage resistance / rated value Recorded real power Protection class IP Electromagnetic compatibility Resistance against vibration / according to IEC 60068-2-6 Resistance against vibration / according to IEC 60068-2-6 Resistance against shock / according to IEC 60068-2-7 Installation altitude / at a height over sea level / maximum Conductor-bound parasitic coupling BURST / according to IEC 61000-4-2 Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5 Electrostatic discharge / according to IEC 61000-4-2 Field-bound parasitic coupling / according to IEC 61000-4-3 Insulation voltage / for overvoltage category III according to IEC 600664 / with degree of pollution Ambient temperature • during operating *C	• at 60 Hz / at AC		
*at 50 Hz *for AC *at 60 Hz *at 7 Hz *for AC *for AC *at	• rated value	V	160 690
*for AC *at 60 Hz *for AC Impulse voltage resistance / rated value kV 6 Recorded real power W 2 Protection class IP Electromagnetic compatibility Resistance against vibration / according to IEC 60068-2-6 Resistance against vibration / according to IEC 60068-2-7 Resistance against shock / according to IEC 60068-2-7 Installation altitude / at a height over sea level / maximum m 2,000 Conductor-bound parasitic coupling BURST / according to IEC 60068-2-7 Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5 Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-5 Electrostatic discharge / according to IEC 61000-4-2 Field-bound parasitic coupling / according to IEC 61000-4-3 Insulation voltage / for overvoltage category III according to IEC 6000-4-3 Insulation voltage / for overvoltage category III according to IEC 6000-4-3 Insulation voltage / for overvoltage category III according to IEC 6000-4-3 Insulation voltage / for overvoltage category III according to IEC 6000-4-3 Ambient temperature * during operating *C -25 +60	Operating range factor control supply voltage rated value		
• at 60 Hz • for AC Impulse voltage resistance / rated value Recorded real power Protection class IP Electromagnetic compatibility Electromagnetic compatibility Resistance against vibration / according to IEC 60068-2-6 Resistance against vibration / according to IEC 60068-2-7 Resistance against shock / according to IEC 60068-2-7 Installation altitude / at a height over sea level / maximum Conductor-bound parasitic coupling BURST / according to IEC 61000-4-4 Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5 Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-5 Electrostatic discharge / according to IEC 61000-4-2 Field-bound parasitic coupling / according to IEC 61000-4-3 Insulation voltage / for overvoltage category III according to IEC 61000-4-3 Insulation voltage / for overvoltage category III according to IEC 00664 / with degree of pollution 3 / rated value Degree of pollution Ambient temperature • during operating *C -25 +60	• at 50 Hz		
Impulse voltage resistance / rated value Recorded real power Protection class IP Electromagnetic compatibility Resistance against vibration / according to IEC 60068-2-6 Resistance against vibration / according to IEC 60068-2-7 Resistance against shock / according to IEC 60068-2-7 Installation altitude / at a height over sea level / maximum Conductor-bound parasitic coupling BURST / according to IEC 61000-4-2 Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5 Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-5 Electrostatic discharge / according to IEC 61000-4-2 Field-bound parasitic coupling / according to IEC 61000-4-3 Insulation voltage / for overvoltage category III according to IEC 6000-4-3 Insulation voltage / for overvoltage category III according to IEC 60064 / with degree of pollution 3 / rated value Degree of pollution Ambient temperature • during operating	• for AC		1 1
Impulse voltage resistance / rated value Recorded real power W 2 Protection class IP Electromagnetic compatibility Resistance against vibration / according to IEC 60068-2-6 Resistance against shock / according to IEC 60068-2-7 Installation altitude / at a height over sea level / maximum M 2,000 Conductor-bound parasitic coupling BURST / according to IEC 61000-4-2 Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5 Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-5 Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-5 Electrostatic discharge / according to IEC 61000-4-2 Field-bound parasitic coupling / according to IEC 61000-4-3 Insulation voltage / for overvoltage category III according to IEC 60064 / with degree of pollution 3 / rated value Degree of pollution Ambient temperature • during operating	• at 60 Hz		
Recorded real power Protection class IP Electromagnetic compatibility Electromagnetic compatibility Resistance against vibration / according to IEC 60068-2-6 Resistance against shock / according to IEC 60068-2-27 Installation altitude / at a height over sea level / maximum Conductor-bound parasitic coupling BURST / according to IEC 61000-4-4 Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5 Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-5 Electrostatic discharge / according to IEC 61000-4-2 Field-bound parasitic coupling / according to IEC 61000-4-3 Insulation voltage / for overvoltage category III according to IEC 600664 / with degree of pollution 3 / rated value Degree of pollution Ambient temperature • during operating V 2 Electrostatic file file file file file file file file	• for AC		1 1
Protection class IP Electromagnetic compatibility Resistance against vibration / according to IEC 60068-2-6 Resistance against shock / according to IEC 60068-2-7 Resistance against shock / according to IEC 60068-2-27 Installation altitude / at a height over sea level / maximum Conductor-bound parasitic coupling BURST / according to IEC 61000-4-4 Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5 Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-5 Electrostatic discharge / according to IEC 61000-4-2 Field-bound parasitic coupling / according to IEC 61000-4-3 Insulation voltage / for overvoltage category III according to IEC V 690 Degree of pollution Ambient temperature • during operating Insulation voltage / for overvoltage category III according to IEC V 690 C -25 +60	Impulse voltage resistance / rated value	kV	6
Electromagnetic compatibility Resistance against vibration / according to IEC 60068-2-6 Resistance against shock / according to IEC 60068-2-7 Resistance against shock / according to IEC 60068-2-7 Installation altitude / at a height over sea level / maximum Conductor-bound parasitic coupling BURST / according to IEC 61000-4-4 Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5 Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-5 Electrostatic discharge / according to IEC 61000-4-2 Field-bound parasitic coupling / according 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 • during operating I LEC 60068-2-1 / IEC 61000-6-2 / IEC 61000-4-3 / IEC 61000-4-5 Insulation voltage / for overvoltage category III according to IEC 60664 / with degree of pollution 3 / rated value Pegree of pollution Ambient temperature • during operating	Recorded real power	W	2
Resistance against vibration / according to IEC 60068-2-6 Resistance against shock / according to IEC 60068-2-27 Resistance against shock / according to IEC 60068-2-27 Installation altitude / at a height over sea level / maximum Conductor-bound parasitic coupling BURST / according to IEC 61000-4-4 Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5 Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-5 Electrostatic discharge / according to IEC 61000-4-2 Field-bound parasitic coupling / according 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 • during operating 1 6 Hz: 15 mm, 6 500 Hz: 2g sinusoidal half-wave 15g / 11 ms 1 kV 2 kV 6 kV 6 kV 6 kV 6 kV contact discharge / 8 kV air discharge 1 to V/m 6 90	Protection class IP		IP20
Resistance against shock / according to IEC 60068-2-27 Installation altitude / at a height over sea level / maximum Conductor-bound parasitic coupling BURST / according to IEC 61000-4-4 Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5 Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-5 Electrostatic discharge / according to IEC 61000-4-2 Field-bound parasitic coupling / according 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 • during operating sinusoidal half-wave 15g / 11 ms a inuscidal half-wave 15g / 11 ms 2,000 2 kV 6 kV 6 kV 6 kV 6 kV 6 kV contact discharge / 8 kV air discharge 6 kV contact discharge / 8 kV air discharge 7 690 6 90	Electromagnetic compatibility		IEC 60947-1 / IEC 61000-6-2 / IEC 61000-6-4
Installation altitude / at a height over sea level / maximum m 2,000 Conductor-bound parasitic coupling BURST / according to IEC 61000-4-4 Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5 Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-5 Electrostatic discharge / according to IEC 61000-4-2 Electrostatic discharge / according 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 • during operating o C -25 +60	Resistance against vibration / according to IEC 60068-2-6		1 6 Hz: 15 mm, 6 500 Hz: 2g
Conductor-bound parasitic coupling BURST / according to IEC 61000-4-4 Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5 Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-5 Electrostatic discharge / according to IEC 61000-4-2 Field-bound parasitic coupling / according 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 • during operating 2 kV 6 kV 6 kV 6 kV contact discharge / 8 kV air discharge 1 0 V/m 690 690 3 Ambient temperature • during operating	Resistance against shock / according to IEC 60068-2-27		sinusoidal half-wave 15g / 11 ms
Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5 Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-5 Electrostatic discharge / according to IEC 61000-4-2 Field-bound parasitic coupling / according 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 • during operating Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5 1 kV 6 kV contact discharge / 8 kV air discharge 10 V/m 690 690 Conductor-bound parasitic coupling / according to IEC V 690 690 Conductor-bound parasitic coupling conductor-conductor 1 kV 6 kV contact discharge / 8 kV air discharge 10 V/m 690 690 690 60664 / with degree of pollution 3 / rated value Conductor-bound parasitic coupling conductor-conductor 1 kV 690 690 690 690 690 690 690 69	Installation altitude / at a height over sea level / maximum	m	2,000
according to IEC 61000-4-5 Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-5 Electrostatic discharge / according to IEC 61000-4-2 Field-bound parasitic coupling / according 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 • during operating Conductor-bound parasitic coupling conductor-conductor 1 kV 6 kV contact discharge / 8 kV air discharge 6 kV contact discharge / 8 kV air discharge 7 690 690 690 -25 +60			2 kV
SURGE / according to IEC 61000-4-5 Electrostatic discharge / according to IEC 61000-4-2 Field-bound parasitic coupling / according 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 • during operating o C -25 +60			2 kV
Field-bound parasitic coupling / according 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			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 Ambient temperature • during operating °C -25 +60	Electrostatic discharge / according 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 • during operating °C -25 +60	Field-bound parasitic coupling / according to IEC 61000-4-3		10 V/m
Ambient temperature • during operating °C -25 +60		V	690
• during operating °C -25 +60	Degree of pollution		3
	Ambient temperature		
• during storage °C -40 +85	during operating	°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
Distance, to be maintained, to earthed part		
• forwards	mm	0
• backwards	mm	0
• sidewards	mm	0
• upwards	mm	0
downwards	mm	0
Distance, to be maintained, to the ranks assembly		
• forwards	mm	0
• backwards	mm	0
• sidewards	mm	0
• upwards	mm	0
• downwards	mm	0
Distance, to be maintained, conductive elements		
• forwards	mm	0
• backwards	mm	0
• sidewards	mm	0
• upwards	mm	0
• downwards	mm	0
Type of mounting		snap-on mounting
Product function / removable terminal for auxiliary and control circuit		Yes
Design of the electrical connection		screw-type terminals
Type of the connectable conductor cross-section		
• solid		1x (0.5 4 mm2), 2x (0.5 2.5 mm2)
• finely stranded		
with wire 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 change-over switches / delayed switching		2
Current carrying capacity / of 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 contact-affected switching element / 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 operating cycles as operating time / typical		10,000,000
Electrical operating cycles as operating time / at AC-15 / at 230 V / typical		100,000
Operating cycles / with 3RT2 contactor / maximum	1/h	5,000

Certificates/approvals:

General Product Approval EMC Test Certificates







Special Test Certificate

Shipping Approval







Declaration of Conformity

other

other

Further information:

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

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

Industry Mall (Online ordering system)

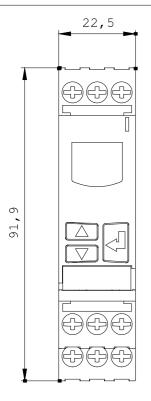
http://www.siemens.com/industrial-controls/mall

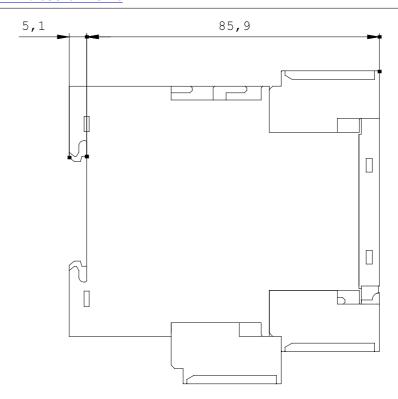
Cax online generator:

http://www.siemens.com/cax

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

http://support.automation.siemens.com/WW/view/en/3UG4617-1CR20/all





last change: Feb 18, 2013