



Product designation	11RFNA9
Product type designation	Motor protection relay

### General characteristics

Number of poles	Nr.	3
Overvoltage category		III
Pollution degree		3
Frontal IP degree		IP20
Type of release		Thermal
Protection fuse		
	gG (IEC)	A 4
	aM (IEC)	A 2
	K5 (UL)	A 6
Phase failure detection		yes
Reset mode		Automatic

### Power circuit characteristics

Rated insulation voltage $U_i$ IEC/EN	V	690
Rated impulse withstand voltage $U_{imp}$	kV	8
Rated operational voltage	V	690
Operational frequency		
	min	Hz 0
	max	Hz 400
Operational current $I_e$		
	Operational current min	A 0.9
	Operational current max	A 1.5
Tripping class		10A
Test Button		yes
Trip indicator		yes

Terminals			
	type		screw and washer
	screw		M4
	width	mm	9.8
	tool		Phillips 2

Tightening torque for terminals			
	min	Nm	2.3
	max	Nm	2.3
	min	lbin	1.7
	max	lbin	1.7

Conductor section		
	AWG/kcmil max	10

### Auxiliary circuit characteristics

Auxiliary contacts			
	NO	Nr.	1
	NC	Nr.	1

Auxiliary Rated insulation voltage $U_i$ IEC/EN	V	690
Auxiliary Rated impulse withstand voltage $U_{imp}$	kV	6
Auxiliary Rated operational voltage	V	690
IEC Conventional free air thermal current $I_{th}$	A	10

Terminals	Auxiliary circuit type	screw and washer	
	Auxiliary circuit screw	M3.5	
	Auxiliary circuit width	mm	8
	Auxiliary circuit tool	Phillips 1	

Conductor section	Auxiliary circuit Flexible w/o lug max	mm <sup>2</sup>	2.5
	Auxiliary circuit Flexible c/w lug max	mm <sup>2</sup>	2.5

Tightening torque for terminals	Auxiliary circuit min	Nm	1
	Auxiliary circuit max	Nm	1
	Auxiliary circuit min	lbin	0.74
	Auxiliary circuit max	lbin	0.74

UL/CSA and IEC/EN 60947-5-1 designation	C600-R300		
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**Ambient conditions**

Operating temperature	min	°C	-20
	max	°C	+55

Storage temperature	min	°C	-55
	max	°C	+70

Compensation temperature	min	°C	-15
	max	°C	+55

Max altitude	m	3000
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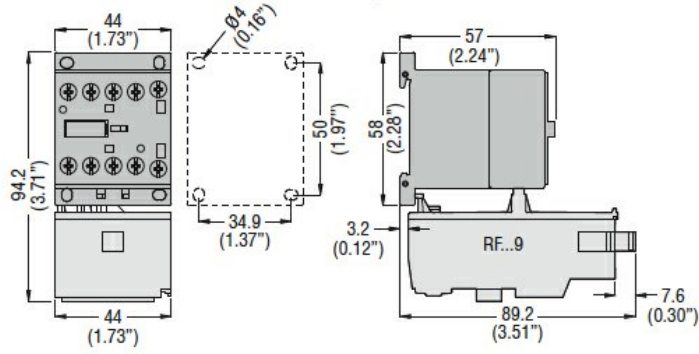
**Mechanical features**

Operating position	normal allowable	Vertical plan ±30°
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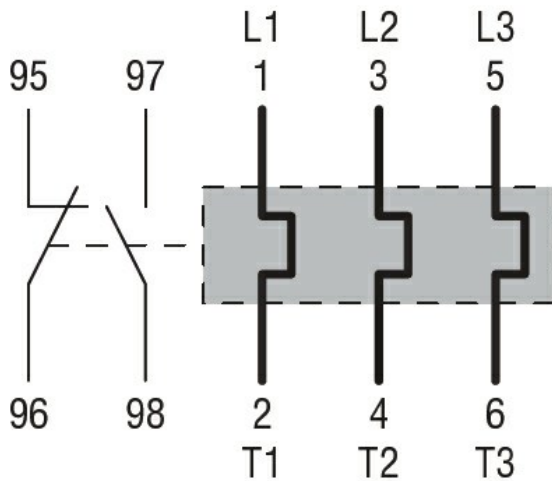
Fixing	Direct mounting on BG06... BG09... BG12...	
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Weight	g	123
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**Dimensions**



**Wiring diagrams**



**Certifications and compliance**

Compliance

CSA C22.2 n° 14

IEC/EN 60947-1

IEC/EN 60947-4-1

UL508

Certifications

CCC

CSA

cULus

EAC