



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	4
	K5 (UL)	A	10
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	1.4
	Operational current max	A	2.3
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 ²	2.5
	Auxiliary circuit Flexible c/w lug max	mm ²	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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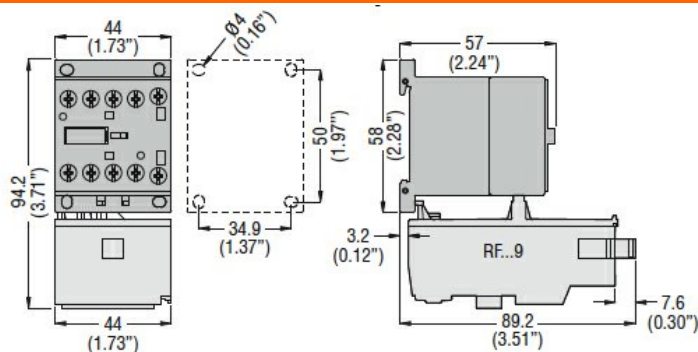
Mechanical features

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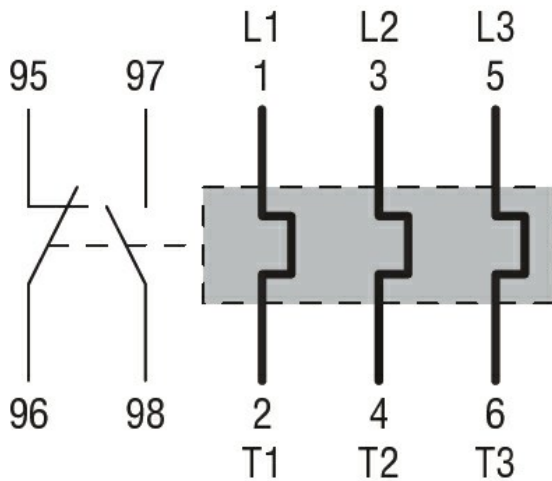
Fixing	Direct mounting on BG06... BG09... BG12...	
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Weight	g	123
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Dimensions



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