



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		2
	aM (IEC)	A		2
	K5 (UL)	A		3
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		0.6
	Operational current max	A		1
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

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

Mechanical features

Operating position

normal allowable Vertical plan ±30°

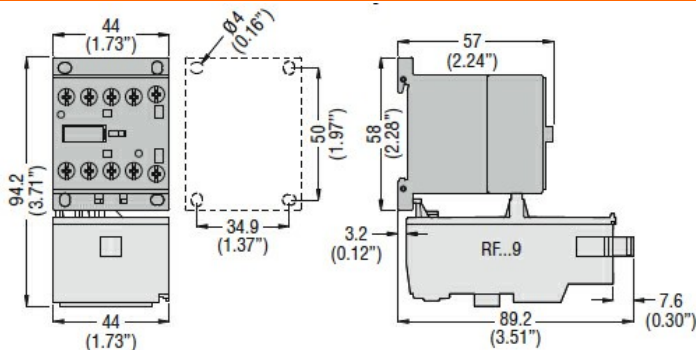
Fixing

Direct mounting on BG06...
BG09... BG12...

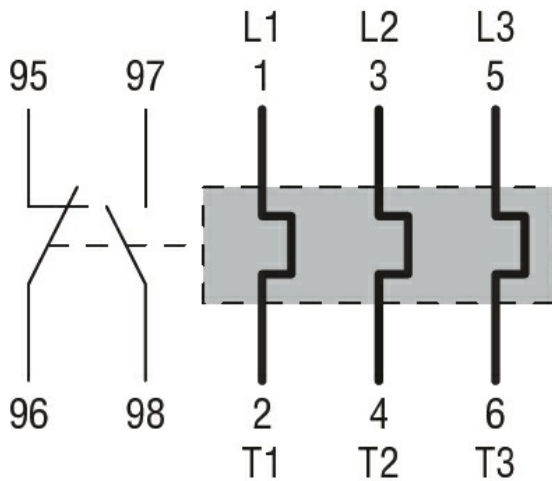
Weight

g 123

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

ETIM classification

ETIM 8.0

EC000106 -
Thermal overload
relay