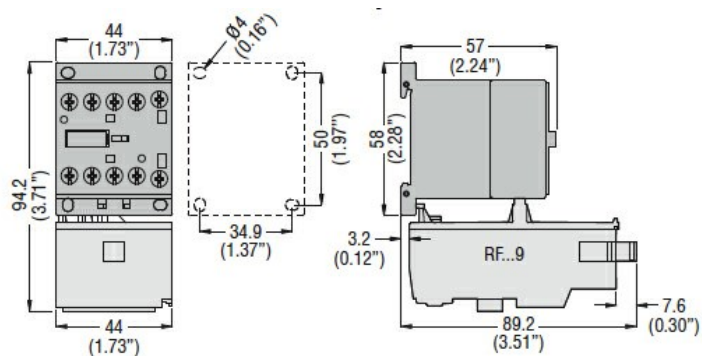


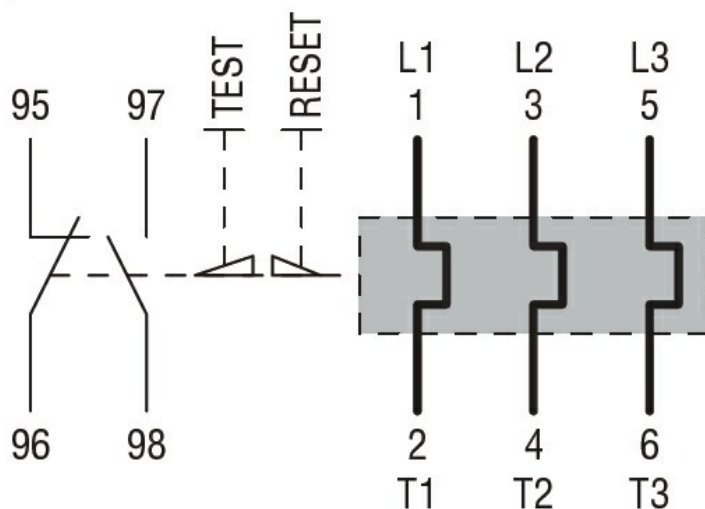


Product designation				11RF9	
Product type designation				Motor protection relay	
General characteristics					
Number of poles			Nr.	3	
Overvoltage category				III	
Pollution degree				3	
Frontal IP degree				IP20	
Type of release				Thermal	
Protection fuse					
			gG (IEC)	A	16
			aM (IEC)	A	6
			RK5 (UL)	A	15
Phase failure detection				yes	
Reset mode				Manual	
Power circuit characteristics					
Rated insulation voltage Ui IEC/EN			V	690	
Rated impulse withstand voltage Uimp			kV	8	
Rated operational voltage			V	690	
Operational frequency					
			min	Hz	0
			max	Hz	400
Operational current Ie					
			Operational current min	A	3
			Operational current max	A	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 Ui IEC/EN	V	690
Auxiliary Rated impulse withstand voltage Uimp	kV	6
Auxiliary Rated operational voltage	V	690
Operating current AC15		
	24V	A 3
	120V	A 3
	240V	A 1.5
	380V	A 0.95
	480V	A 0.75
	500V	A 0.72
	600V	A 0.6
Operating current DC13		
	125V	A 0.11
	600V	A 0.22
IEC Conventional free air thermal current Ith	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	Ibin 0.74
	Auxiliary circuit max	Ibin 0.74
UL/CSA and IEC/EN 60947-5-1 designation		B600-P600
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	116
UL technical data		
Full-load current (FLA) for three-phase AC motor		
	at 480V	A 5
	at 600V	A 5
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