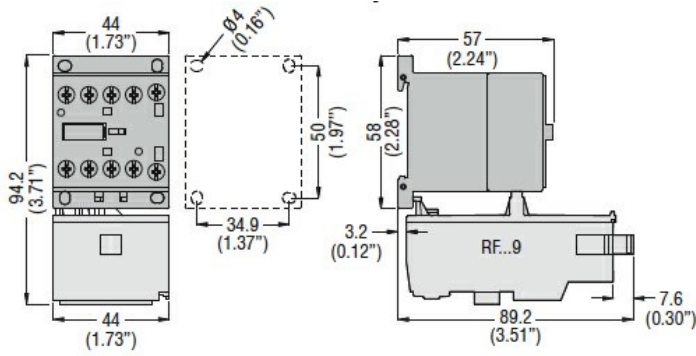


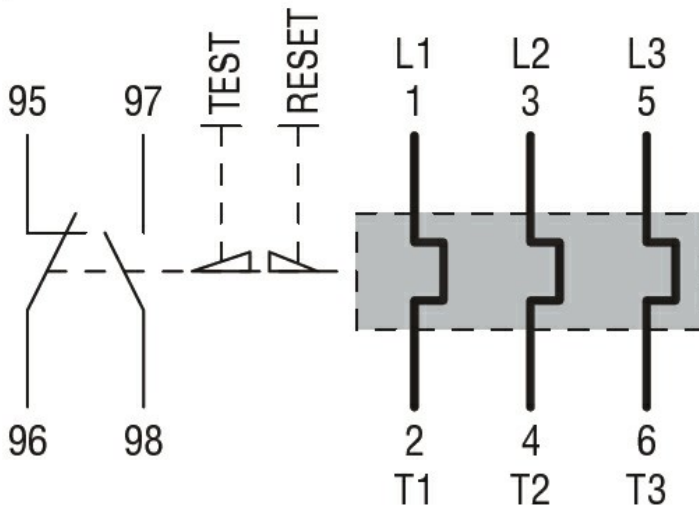


Product designation				11RF9
Product type designation				Motor protection relay
General characteristics				
Number of poles	nr.			3
Overvoltage category				III
Pollution degree				3
Frontal IP degree				IP20
Type of release				Thermal
Protection fuse				
		gG (IEC)	A	20
		aM (IEC)	A	8
		RK5 (UL)	A	25
Phase failure detection				yes
Reset mode				Manual
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	4.5
		Operational current max	A	7.5
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	lbft	1.7
		max	lbft	1.7
Conductor section				
		AWG max	10	
Auxiliary circuit characteristics				
Auxiliary contacts				
		NO	nr.	1
		NC	nr.	1

Rated insulation voltage U_i UL/CSA	V	690
Rated impulse withstand voltage U_{imp}	kV	6
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
Conventional free air thermal current I_{th} IEC/EN	A	10
Terminals	type	Screw and washer
	screw	M3,5
	width	mm 8
	tool	Phillips 1
Conductor section	Flexible w/o lug max	mm ² 2.5
	Flexible c/w lug max	mm ² 2.5
Tightening torque for terminals	min	Nm 1
	max	Nm 1
	min	lbft 0.74
	max	lbft 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		
Operational position	Operating position normal	Vertical plan
	Operating position allowable	±30°
Weight	g	116
UL technical data		
Full-load current (FLA) for three-phase AC motor	at 480V	A 7.5
	at 600V	A 7.5
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