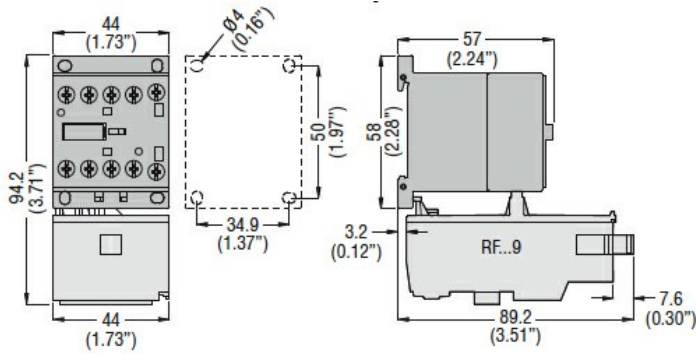


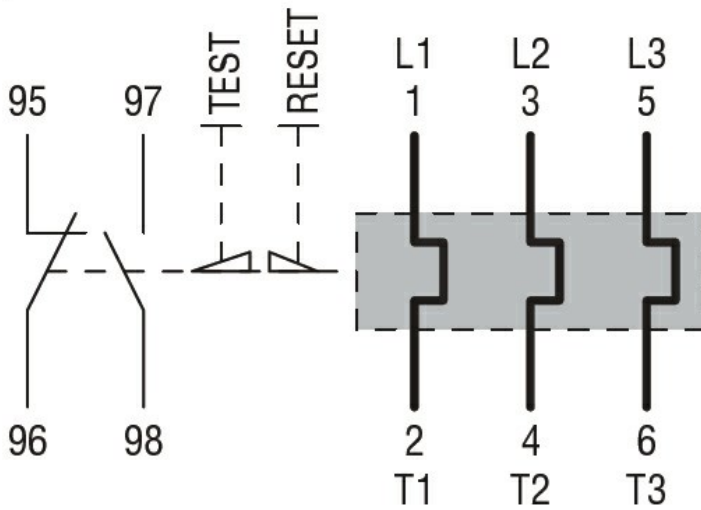


Product designation	11RF9		
Product type designation	Motor protection relay		
General characteristics			
Number of poles	Nr.	3	
Overvoltage category	III		
Pollution degree	3		
Frontal IP degree	IP20		
Type of release	Thermal		
Protection fuse	aM (IEC)	A	0.25
Phase failure detection	yes		
Reset mode	Manual		
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	0.09
	Operational current max	A	0.15
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	Ibin	1.7
	max	Ibin	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
Operating current AC15	24V 120V 240V 380V 480V 500V 600V	A 3 3 1.5 0.95 0.75 0.72 0.6
Operating current DC13	125V 600V	A 0.11 0.22
IEC Conventional free air thermal current I _{th}	A	10
Terminals	Auxiliary circuit type Auxiliary circuit screw Auxiliary circuit width Auxiliary circuit tool	screw and washer M3,5 8 mm Phillips 1
Conductor section	Auxiliary circuit Flexible w/o lug max Auxiliary circuit Flexible c/w lug max	mm ² 2.5 mm ² 2.5
Tightening torque for terminals	Auxiliary circuit min Auxiliary circuit max Auxiliary circuit min Auxiliary circuit max	Nm 1 Nm 1 lbin 0.74 lbin 0.74
UL/CSA and IEC/EN 60947-5-1 designation		B600-P600
Ambient conditions		
Operating temperature	min max	°C -20 °C 55
Storage temperature	min max	°C -55 °C 70
Compensation temperature	min max	°C -15 °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 at 600V	A 0.15 A 0.15
Dimensions [mm (in)]		



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