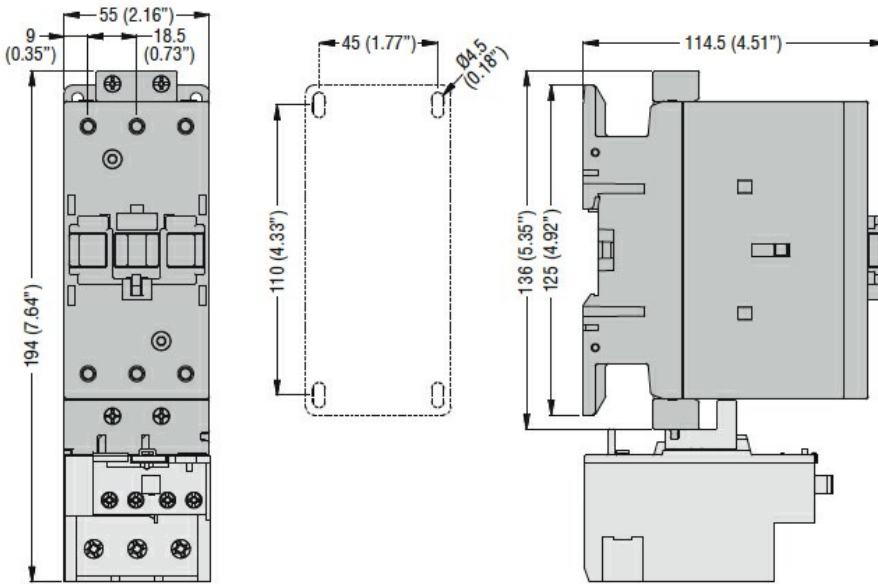


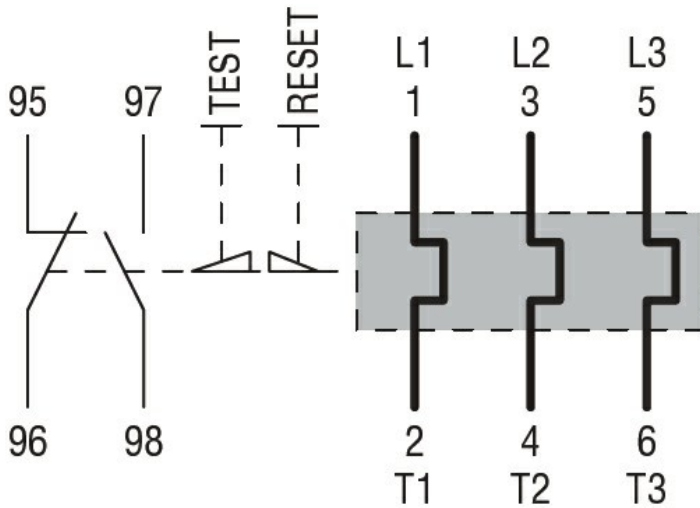


Product designation				RF82
Product type designation				Motor protection relay
General characteristics				
Number of poles	Nr.			3
Overvoltage category				III
Pollution degree				3
Frontal IP degree				IP20
Type of release				Thermal
Protection fuse				
	gG (IEC)	A		63
	aM (IEC)	A		40
	K5 (UL)	A		110
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	20	
	Operational current max	A	33	
Tripping class				10A
Test Button				yes
Trip indicator				yes
Terminals				
	type			Yoke clamp
	screw			M5
	width	mm	9	
	tool			Phillips 2
Tightening torque for terminals				
	min	Nm	3.9	
	max	Nm	3.9	
	min	Ibin	2.88	
	max	Ibin	2.88	
Conductor section				
	AWG/kcmil max			2
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 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
Operating current DC13	600V	A	0.6
	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	lbin	0.74
	Auxiliary circuit max	lbin	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	80
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 BF40... BF94...
Weight		g	365
UL technical data			
Full-load current (FLA) for three-phase AC motor			
	at 480V	A	33
	at 600V	A	33
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

cULus

ETIM classification

ETIM 8.0

EC000106 -
Thermal overload
relay