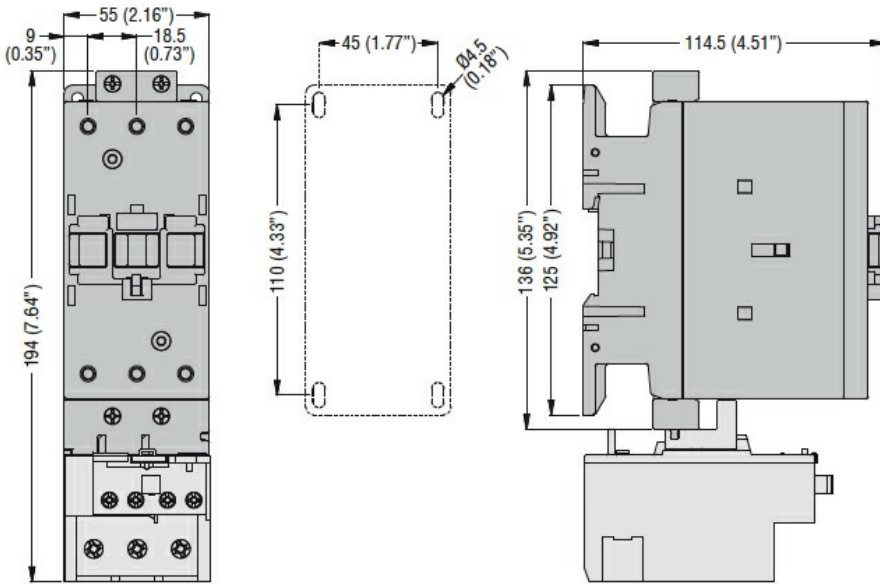


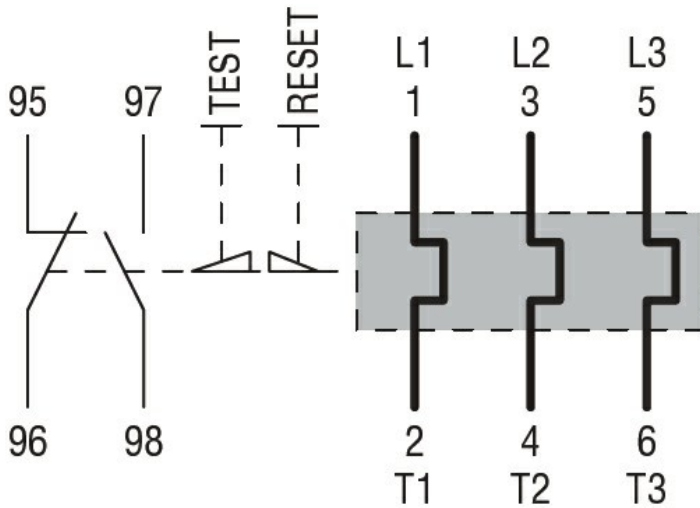


Product designation	RF82		
Product type designation	Motor protection relay		
<b>General characteristics</b>			
Number of poles	Nr.	3	
Overvoltage category	III		
Pollution degree	3		
Frontal IP degree	IP20		
Type of release	Thermal		
Protection fuse			
	gG (IEC)	A	125
	aM (IEC)	A	80
	K5 (UL)	A	200
Phase failure detection	yes		
Reset mode	Manual		
<b>Power circuit characteristics</b>			
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	46
	Operational current max	A	65
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	lbin	2.88
	max	lbin	2.88
Conductor section			
	AWG/kcmil max	2	
<b>Auxiliary circuit characteristics</b>			
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
<b>Terminals</b>			
	Auxiliary circuit type		screw and washer
	Auxiliary circuit screw		M3,5
	Auxiliary circuit width	mm	8
	Auxiliary circuit tool		Phillips 1
<b>Conductor section</b>			
	Auxiliary circuit Flexible w/o lug max	mm <sup>2</sup>	2.5
	Auxiliary circuit Flexible c/w lug max	mm <sup>2</sup>	2.5
<b>Tightening torque for terminals</b>			
	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
<b>Ambient conditions</b>			
<b>Operating temperature</b>			
	min	°C	-20
	max	°C	55
<b>Storage temperature</b>			
	min	°C	-55
	max	°C	80
<b>Compensation temperature</b>			
	min	°C	-15
	max	°C	55
Max altitude		m	3000
<b>Mechanical features</b>			
<b>Operating position</b>			
	normal allowable		Vertical plan ±30°
Fixing			Direct mounting on BF40... BF94...
Weight		g	365
<b>UL technical data</b>			
<b>Full-load current (FLA) for three-phase AC motor</b>			
	at 480V	A	65
	at 600V	A	65
<b>Dimensions [mm (in)]</b>			



### 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