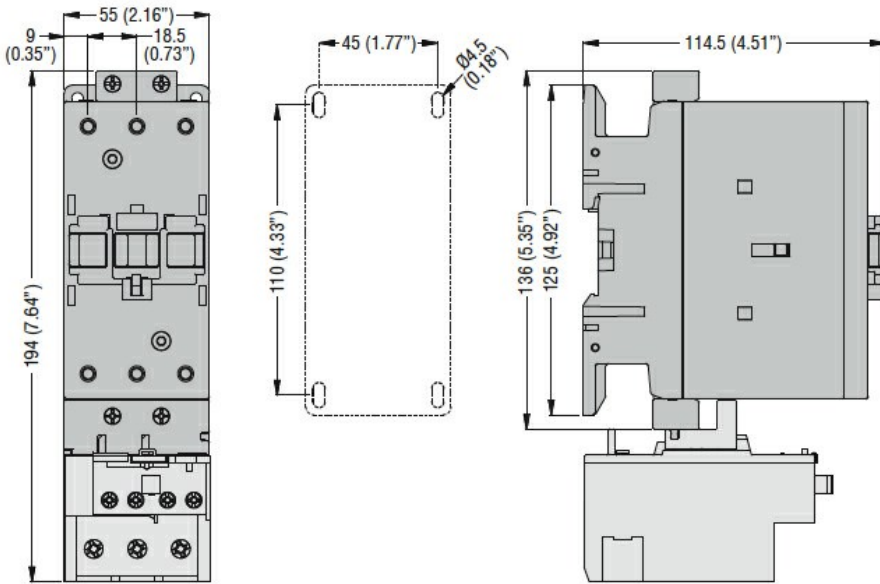


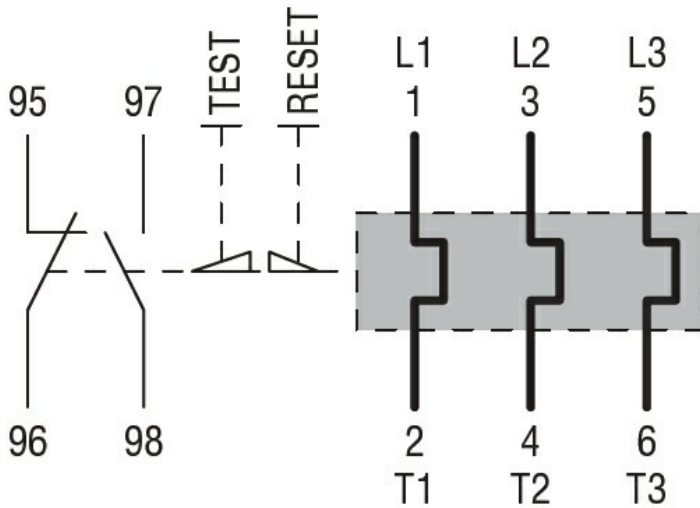


Product designation				RF82
Product type designation				Motor protection relay
<b>General characteristics</b>				
Number of poles	Nr.			3
Overvoltage category				III
Pollution degree				3
Frontal IP degree				IP20
Type of release				Thermal
Protection fuse				
	gG (IEC)	A		200
	aM (IEC)	A		100
	K5 (UL)	A		250
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	60	
	Operational current max	A	82	
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
<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	lbin	0.74
	Auxiliary circuit max	lbin	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°
Weight		g	365
<b>UL technical data</b>			
<b>Full-load current (FLA) for three-phase AC motor</b>			
	at 480V	A	82
	at 600V	A	82
<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