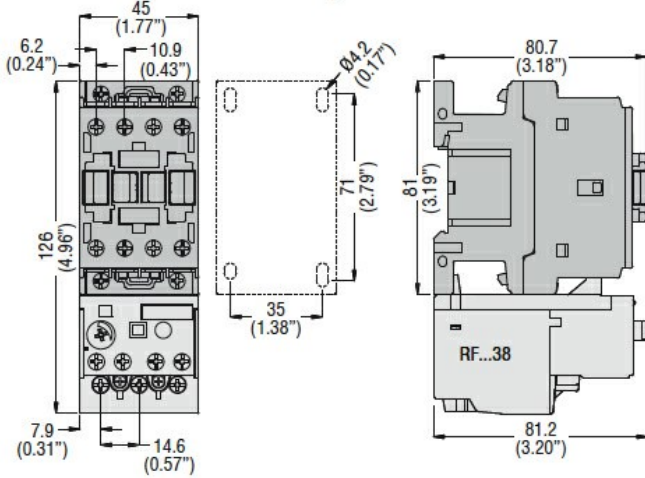




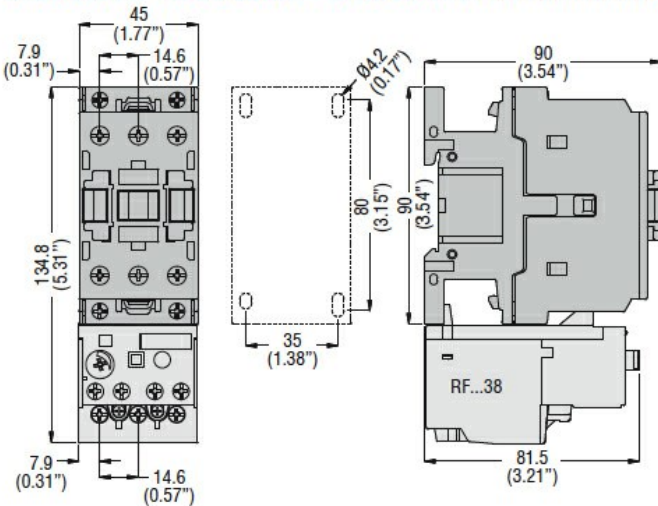
Product designation	RF38		
Product type designation	Motor protection relay		
<b>General characteristics</b>			
Number of poles	Nr.	3	
Overvoltage category		III	
Pollution degree		3	
Frontal IP degree		IP20	
Terminals IP degree		-	
Type of release		Thermal	
Protection fuse			
	gG (IEC)	A	32
	aM (IEC)	A	16
	RK5 (UL)	A	50
Phase failure detection		Yes	
Reset mode		Manual or automatic	
<b>Power circuit characteristics</b>			
Rated insulation voltage $U_i$ IEC/EN	V	690	
Rated impulse withstand voltage $U_{imp}$	kV	6	
Rated operational voltage	V	690	
Operational frequency			
	min	Hz	0
	max	Hz	400
Operational current $I_e$			
	Operational current min	A	9
	Operational current max	A	14
Tripping class		10A	
Test Button		Yes	
Trip indicator		Yes	
Terminals			
	type	Screw and washer	
	screw	M4	
	width	mm	12.6
	tool	Phillips 2	
Tightening torque for terminals			
	min	Nm	2
	max	Nm	2.5
	min	lbin	1.5
	max	lbin	1.8
Conductor section			
	AWG/kcmil max	8	
<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 $U_{imp}$		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
	600V	A	0.6
Operating current DC13	125V	A	0.11
	600V	A	0.22
IEC Conventional free air thermal current $I_{th}$		A	10
Terminals	Auxiliary circuit type		Screw and washer
	Auxiliary circuit screw		M3,5
	Auxiliary circuit width	mm	8
	Auxiliary circuit tool		Phillips 2
Conductor section	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
Tightening torque for terminals	Auxiliary circuit min	Nm	0.8
	Auxiliary circuit max	Nm	1
	Auxiliary circuit min	lbin	0.6
	Auxiliary circuit max	lbin	0.74
UL/CSA and IEC/EN 60947-5-1 designation			B600-R300
<b>Ambient conditions</b>			
Operating temperature	min	°C	-25
	max	°C	60
Storage temperature	min	°C	-50
	max	°C	70
Compensation temperature	min	°C	-20
	max	°C	60
Max altitude		m	3000
<b>Mechanical features</b>			
Operating position	normal allowable		Vertical plan ±30°
Weight		g	160
<b>UL technical data</b>			
Full-load current (FLA) for three-phase AC motor	at 480V	A	14
	at 600V	A	14
<b>Dimensions</b>			

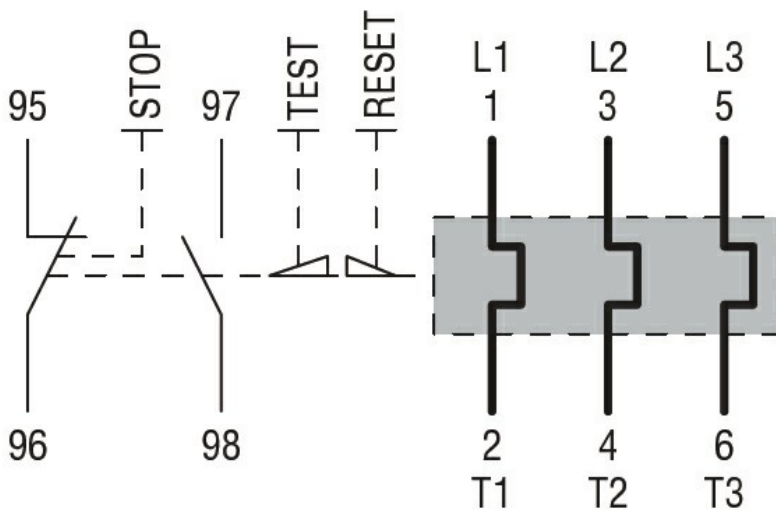
**BF00 A... BF09 A... - BF12 A... - BF18 A... - BF25 A...** three poles with  
**RF...38** thermal overload relay



**BF26 00A... - BF32 00A... - BF38 00A...** three poles with **RF...38** thermal overload relay



**Wiring diagrams**



**Certifications and compliance**

**Compliance**

CSA C22.2 n° 14

IEC/EN 60947-1

IEC/EN 60947-4-1

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UL508

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Certifications

CCC

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cULus

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EAC

**ETIM classification**

ETIM 8.0

EC000106 -  
Thermal overload  
relay