



Product designation	RF38		
Product type designation	Motor protection relay		
General characteristics			
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	
Power circuit characteristics			
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
Auxiliary circuit characteristics			
Auxiliary contacts			

Motor protection relay, phase failure/single-phase sensitive. Three-pole (three-phase), manual or automatic resetting. Direct mounting on BF09 - BF38 contactors, 9...14A

	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 ²	2.5
	Auxiliary circuit Flexible c/w lug max	mm ²	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
Ambient conditions			
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
Mechanical features			
Operating position	normal allowable		Vertical plan ±30°
Fixing			Direct mounting on BF09... BF38...
Weight		g	160

UL technical data

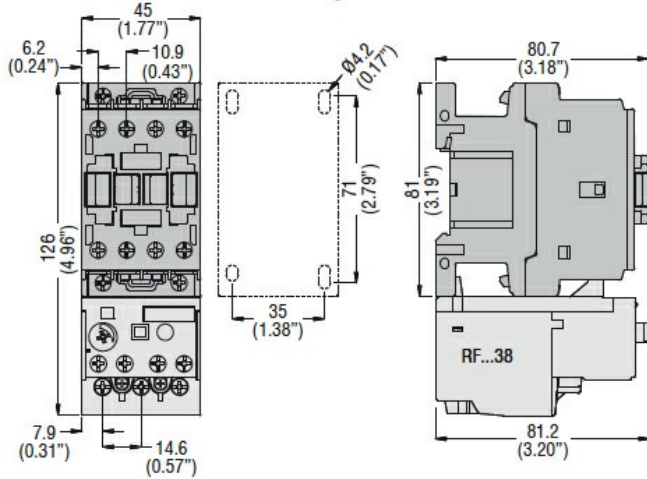
Full-load current (FLA) for three-phase AC motor

Motor protection relay, phase failure/single-phase sensitive. Three-pole (three-phase), manual or automatic resetting. Direct mounting on BF09 - BF38 contactors, 9...14A

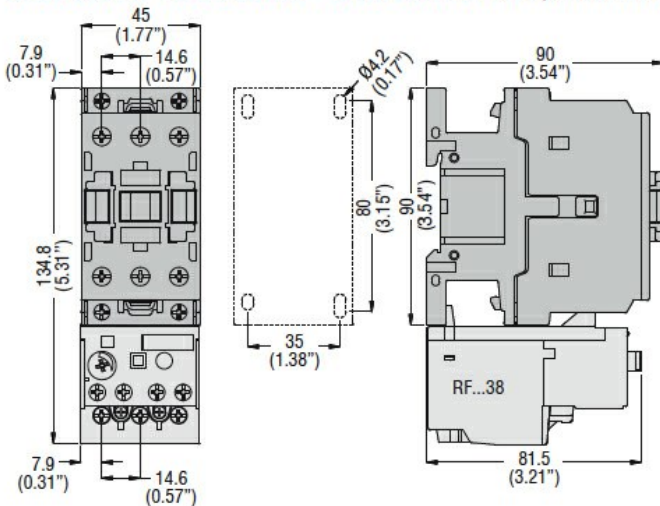
at 480V	A	14
at 600V	A	14

Dimensions

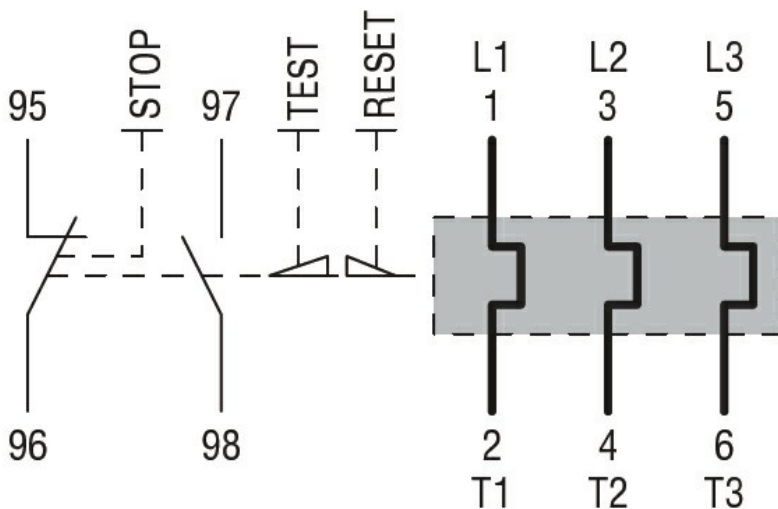
BF00 A... BF09 A... - BF12 A... - BF18 A... - BF25 A... three poles with **RF...38** thermal overload relay



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



Wiring diagrams



Certifications and compliance

Compliance

Motor protection relay, phase failure/single-phase sensitive. Three-pole (three-phase), manual or automatic resetting. Direct mounting on BF09 - BF38 contactors, 9...14A

CSA C22.2 n° 14

IEC/EN 60947-1

IEC/EN 60947-4-1

UL508

Certifications

CCC

cULus

EAC

ETIM classification

ETIM 8.0

EC000106 -
Thermal overload
relay