

ENERGY AND AUTOMATION

MOTOR PROTECTION RELAY, PHASE FAILURE/SINGLE-PHASE SENSITIVE. THREE-POLE electric (THREE-PHASE), MANUAL OR AUTOMATIC RESETTING. DIRECT MOUNTING ON BF09 - BF38 CONTACTORS, 0.25...0.40A



Product designation			RF38
Product type designation			Motor protection
General characteristics			relay
Number of poles		Nr.	3
Overvoltage category		INI.	 III
Pollution degree			3
Frontal IP degree			IP20
Type of release			Thermal
Protection fuse			IIIeIIIIai
Flotection luse	gG (IEC)	۸	1
	aM (IEC)	A A	0.5
	RK5 (UL)	A	3
Phase failure detection	INO (OL)		Yes
			Manual or
Reset mode			automatic
Power circuit characteristics			automatio
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Rated operational voltage		V	690
Operational frequency			
	min	Hz	0
	max	Hz	400
Operational current le			
	Operational current min	Α	0.25
	Operational current max	Α	0.4
Tripping class	<u></u>		10A
Test Button			yes
Trip indicator			yes
Terminals			
			screw and
	type		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	Ibin	1.8
Conductor section			
	AWG/kcmil max		8
Auxiliary circuit characteristics			
Auxiliary contacts			
	NO	Nr.	1



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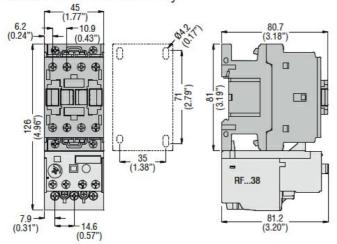
ENERGY AND ACTOMATION		ONTAC	TONS, 0.250.40A
	NC	Nr.	1
Auxiliary Rated insulation voltage Ui IEC/EN		V	690
Auxiliary Rated impulse withstand voltage Uimp		kV	6
Auxiliary Rated operational voltage		V	690
Operating current AC15			
	24V	Α	3
	120V	Α	3
	240V	Α	1.5
	380V	Α	0.95
	480V	Α	0.75
	500V	Α	0.72
	600V	Α	0.6
Operating current DC13			
	125V	Α	0.11
	600V	A	0.22
IEC Conventional free air thermal current Ith		Α	10
Terminals			
	Auxiliary circuit type		screw and
			washer
	Auxiliary circuit screw Auxiliary circuit width	mm	M3,5 8
	Auxiliary circuit widin	mm	o Phillips 2
Conductor section	Adxillary circuit tool		r IIIIIps Z
Conductor Section	Auxiliary circuit Flexible w/o lug max	mm²	2.5
	Auxiliary circut Flexible c/w lug max	mm²	2.5
Tightening torque for terminals	Administry circuit i lexible of windy max		2.0
rightorning torquo for terminate	Auxiliary circuit min	Nm	0.8
	Auxiliary circuit max	Nm	1
	Auxiliary circuit min	lbin	0.59
	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		Vertical plan
	allowable		±30°
Fiving			Direct mounting
Fixing			on BF09 BF38
Weight		g	160
UL technical data		9	
Full-load current (FLA) for three-phase AC motor			
. a sad sarroin (i Erij isi tilise pilase Ae motol	at 480V	Α	0.4
	at 600V	A	0.4

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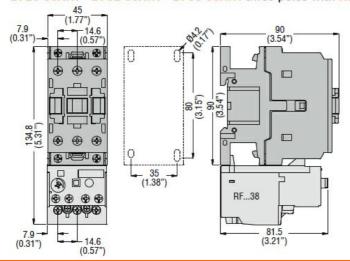
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Dimensions

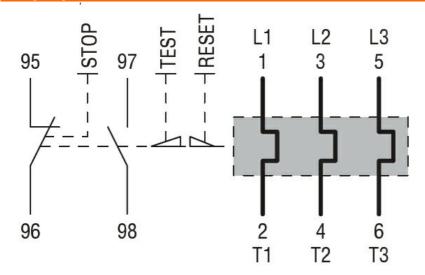
BF00 A... BF09 A... - BF12 A... - BF18 A... - BF25 A... three poles with RF...38 thermal overload relay



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



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 14

IEC/EN 60947-1

RF380040



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	IEC/EN 60947-4-1
	UL508
Certifications	
	CCC
	cULus
	EAC
ETIMA A LANGUETTA CAR	

ETIM classification

ETIM 8.0

EC000106 -Thermal overload relay