MOTOR PROTECTION RELAY, PHASE FAILURE/SINGLE-PHASE SENSITIVE. THREE-POLE electric (THREE-PHASE), MANUAL OR AUTOMATIC RESETTING. DIRECT MOUNTING ON BF09 - BF38 CONTACTORS, 1...1.6A

ENERGY AND AUTOMATION



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
Type of release			Thermal
Protection fuse			_
	gG (IEC)	Α	4
	aM (IEC)	Α	2
	RK5 (UL)	Α	6
Phase failure detection			yes
Reset mode			Manual or 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		<u> </u>	
	min	Hz	0
	max	Hz	400
Operational current le			
	Operational current min	Α	1
	Operational current max	Α	1.6
Tripping class			10A
Test Button			yes
Trip indicator			yes
Terminals			,,,,
	typo		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	lbin	1.8
Conductor section			
	Flexible w/o lug max	mm²	10
	Flexible c/w lug max	mm²	6
	AWG/kcmil max		8
Auxiliary circuit characteristics			



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Auxiliary contacts

NO	Nr.	1
NC_		1
		690 6
		690
	V	090
24\/	Δ	3
		3
		1.5
380V	Α	0.95
480V	Α	0.75
500V	Α	0.72
600V	Α	0.6
125V	Α	0.11
600V	Α	0.22
	Α	10
Auxiliary circuit type		screw and
		washer
		M3.5
	mm	8
Auxiliary circuit tool		Phillips 2
A william ains it Florible w/o less seen	2	0.5
-		2.5
Auxiliary circut Flexible c/w lug max	mm-	2.5
Auxiliary circuit min	Nm	0.8
		1
		0.59
		0.74
Administry chodic max	10111	B600-R300
		2000 11000
min	°C	-25
max	°C	60
min	°C	-50
max	°C	70
min	°C	-20
max	°C	60
	m	3000
normal		Vertical plan ±30°
allowable		Direct mounting
		on BF09
	g	BF38
	Auxiliary circuit type Auxiliary circuit victuit victu	NC Nr. V kV V 24V A 120V A 240V A 380V A 480V A 500V A 600V A 600V A A A A A Auxiliary circuit type Auxiliary circuit screw Auxiliary circuit width Auxiliary circuit width Auxiliary circuit tool Auxiliary circuit tool Auxiliary circuit min C C max °C min °C max °C min °C max °C min occ max °C min occ max occ min occ max

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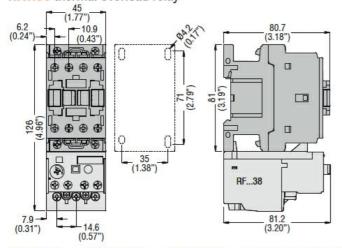
ENERGY AND AUTOMATION

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

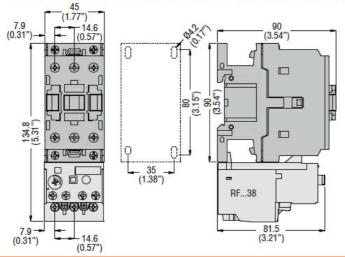
at 480V Α 1.6 at 600V 1.6 Α

Dimensions

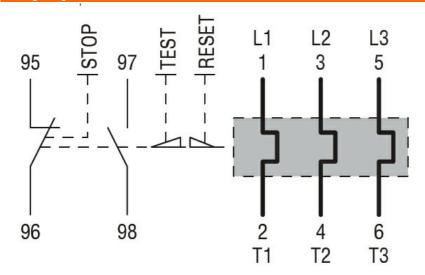
BF00 A... BF09 A... - BF12 A... - BF18 A... - BF25 A... three poles with RF...38 thermal overload relay



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



Wiring diagrams



Certifications and compliance

RF380160



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ENERGY AND AUTOMATION

Compliance

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