MOTOR PROTECTION RELAY, PHASE FAILURE / SINGLE PHASE SENSITIVE. THREE POLE electric (THREE PHASE), MANUAL OR AUTOMATIC RESETTING. DIRECT MOUNTING ON BF09 - BF38 CONTACTORS, 6.3...10A

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 Protection fuse			Thermal
Protection ruse	gG (IEC)	Α	20
	aM (IEC)	A	10
	RK5 (UL)	A	40
Phase failure detection	IXIO (OL)		Yes
			Manual or
Reset mode			automatic
Power circuit characteristics			
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	6.3
	Operational current max	Α	10
Tripping class			10A
Test Button			Yes
Trip indicator			Yes
Terminals			
	type		Screw and
			washer
	screw		M4
	width	mm	12.6
Tightoning tour of a towningle	tool		Phillips 2
Tightening torque for terminals	min	Nimo	2
	min Max	Nm Nm	2
	min	Ibin	2.5 1.5
	max	Ibin	1.8
Conductor section	IIIdA	IDIII	1.0
Conductor section	AWG/kcmil max		8
Auxiliary circuit characteristics	/ W O/NOTHII THAX		
Auxiliary contacts		_	
. issues, y someone	NO	nr.	1



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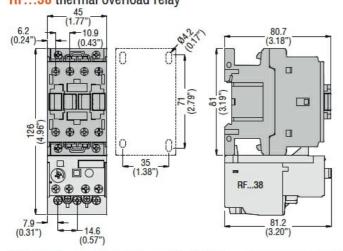
ENERGY AND AUTOMATION

	NC	nr.	1
Auxiliary Rated insulation voltage Ui IEC/EN	110	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	Α	0.22
IEC Conventional free air thermal current Ith		Α	10
Terminals			
	Auxiliary circuit type		Screw and
			washer
	Auxiliary circuit screw		M3,5
	Auxiliary circuit width	mm	8 Dhilling 2
Conductor section	Auxiliary circuit tool		Phillips 2
Conductor section	Auviliany airquit Elavible w/e lug may	mm²	2.5
	Auxiliary circuit Flexible w/o lug max	mm² mm²	2.5 2.5
Tightoning targue for terminals	Auxiliary circut Flexible c/w lug max	111111	2.5
Tightening torque for terminals	Auxiliany airquit min	Nm	0.8
	Auxiliary circuit min Auxiliary circuit max	Nm	1
	Auxiliary circuit max Auxiliary circuit min	Ibin	0.59
	Auxiliary circuit max	Ibin	0.74
UL/CSA and IEC/EN 60947-5-1 designation	Addition of other max	10111	B600-R300
Ambient conditions			B000 11000
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°
Weight		g	160
UL technical data			
Full-load current (FLA) for three-phase AC motor		Δ.	40
	at 480V	A	10
Dimensions	at 600V	Α	10
Dimensions			

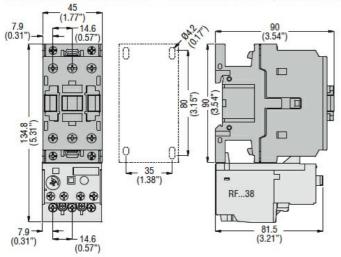
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ENERGY AND AUTOMATION

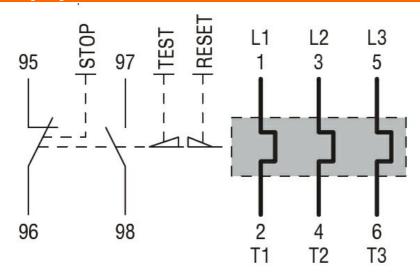
BF00 A... BF09 A... - BF12 A... - BF18 A... - BF25 A... three poles with RF...38 thermal overload relay



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



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 14

IEC/EN 60947-1

IEC/EN 60947-4-1





ENERGY AND AUTOMATION

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	UL508		
Certifications			
	CCC		
	cULus		
	EAC		