# RF380400



MOTOR PROTECTION RELAY, PHASE FAILURE/SINGLE-PHASE SENSITIVE. THREE-POLE Electric (THREE-PHASE), MANUAL OR AUTOMATIC RESETTING. DIRECT MOUNTING ON BF09 - BF38 AND AUTOMATION CONTACTORS, 2.5...4A



Product designation			RF38
Product type designation			Motor protection relay
General characteristics			
Number of poles		Nr.	3
Overvoltage category			
Pollution degree			3
Frontal IP degree			IP20
Type of release			Thermal
Protection fuse			
	gG (IEC)	A	6
	aM (IEC)	Α	4
	RK5 (UL)	A	15
Phase failure detection			Yes
Reset mode			Manual or
			automatic
Power circuit characteristics		<u>۱</u>	600
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV V	<u>6</u> 690
Rated operational voltage		V	690
Operational frequency			0
	min	Hz Hz	0 400
Operational surrent la	max	ПZ	400
Operational current le	Operational ourrent min	А	2.5
	Operational current min Operational current max	A	4
Tripping class	Operational current max	A	10A
Test Button			yes
Trip indicator			-
Terminals			yes
i en minais			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	Ibin	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 AUTOMATION

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	NC	Nir	1
Auxiliary Rated insulation voltage Ui IEC/EN	NC	Nr. V	690
Auxiliary Rated impulse withstand voltage Uimp		kV	6
Auxiliary Rated operational voltage		V	690
Operating current AC15		<u> </u>	
	24V	А	3
	120V	А	3
	240V	А	1.5
	380V	А	0.95
	480V	А	0.75
	500V	А	0.72
	600V	Α	0.6
Operating current DC13			
	125V	А	0.11
	600V	A	0.22
IEC Conventional free air thermal current Ith		А	10
Terminals			
	Auxiliary circuit type		screw and
			washer
	Auxiliary circuit screw		M3,5
	Auxiliary circuit width	mm	8 Dhilling 2
Conductor contion	Auxiliary circuit tool		Phillips 2
Conductor section	Auviliant aircuit Flavible w/a lug may	no no 2	0 F
	Auxiliary circuit Flexible w/o lug max Auxiliary circut Flexible c/w lug max	mm² mm²	2.5 2.5
Tightening torque for terminals	Auxiliary circut Flexible C/w lug max	111111	2.0
rightening torque for terminals	Auxiliary circuit min	Nm	0.8
	Auxiliary circuit max	Nm	1
	Auxiliary circuit max	Ibin	0.59
	Auxiliary circuit max	Ibin	0.74
UL/CSA and IEC/EN 60947-5-1 designation	, taxinary or out max	10111	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°
Fixing			Direct mounting
Fixing			on BF09… BF38…
Weight		g	160
UL technical data		Э	
Full-load current (FLA) for three-phase AC motor			
	at 480V	А	4
	at 600V	A	4

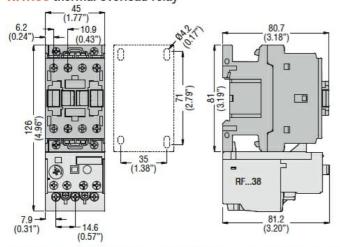


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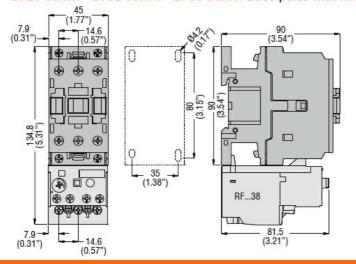
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#### Dimensions

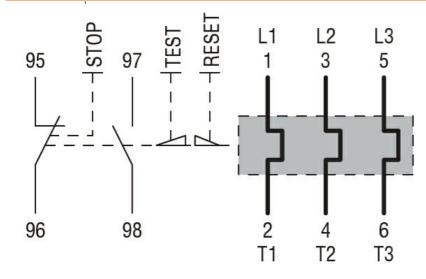
BF00 A... BF09 A... - BF12 A... - BF18 A... - BF25 A... three poles with RF...38 thermal overload relay



- 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

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electric (THREE-PHASE), MANUAL OR AUTOMATIC RESETTING. DIRECT MOUNTING ON BF09 - BF38 ENERGY AND AUTOMATION

	IEC/EN 60947-4-1
	UL508
Certifications	
	CCC
	cULus
	EAC
ETIM classification	

**ETIM 8.0** 

EC000106 -Thermal overload relay