RF380250



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, 1.6...2.5A



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)	А	6
	aM (IEC)	А	4
	RK5 (UL)	А	10
Phase failure detection			yes
Reset mode			Manual or
			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	А	1.6
	Operational current max	А	2.5
Tripping class			10A
Test Button			Yes
Trip indicator			yes
Terminals			
	tupo		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			

Auxiliary circuit characteristics

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



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Auxiliary contacts

Auxiliary contacts			
	NO	Nr.	1
	NC	Nr.	1
Auxiliary Rated insulation voltage Ui IEC/EN		V	690
Auxiliary Rated impulse withstand voltage Uimp		kV V	6 690
Auxiliary Rated operational voltage Operating current AC15		V	690
Operating current ACTS	24V	А	3
	120V	A	3
	240V	A	1.5
	380V	A	0.95
	480V	A	0.75
	500V	А	0.72
	600V	А	0.6
Operating current DC13			
	125V	А	0.11
	600V	А	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
	Auxiliary circuit tool		Phillips 2
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			
	Auxiliary circuit min	Nm	0.8
	Auxiliary circuit max	Nm	1
	Auxiliary circuit min	Ibin	0.59
UL/CSA and IEC/EN 60947-5-1 designation	Auxiliary circuit max	Ibin	0.74 B600-R300
Ambient conditions			D000-K300
Operating temperature			
Operating temperature	min	°C	-25
	max	°C	60
Storage temperature		~	
	min	°C	-50
	max	°Č	70
Compensation temperature			
. ,	min	°C	-20
	max	°C	60
Max altitude		m	3000
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
			Direct mounting
Fixing			on BF09 BF38
Weight		g	160
UL technical data			

RF380250



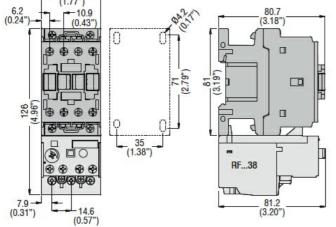


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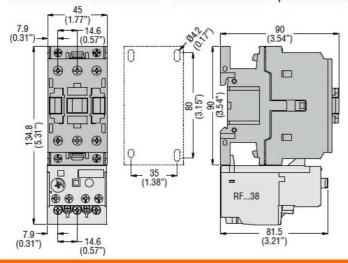
Full-load current (FLA) for three-phase AC motor

	at 480V	А	2.5
	at 600V	А	2.5
Dimensions			

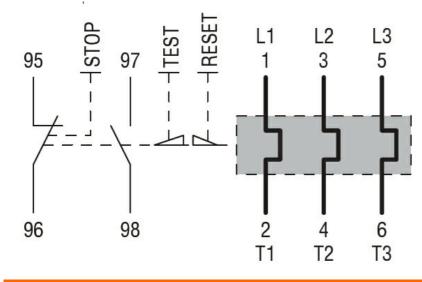




BF26 00A... - BF32 00A... - BF38 00A... three poles with RF...38 thermal overload relay



Wiring diagrams



Certifications and compliance

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Compliance

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	CSA C22.2 n° 14	
	IEC/EN 60947-1	
	IEC/EN 60947-4-1	
	UL508	
Certifications		
	CCC	
	cULus	
	EAC	
ETIM classification		
		EC000106 -

ETIM 8.0

EC000106 -Thermal overload relay