RF380400



Motor protection relay, phase failure/single-phase sensitive. Three-pole (three-phase), manual or automatic resetting. Direct mounting on BF09 - BF38 contactors, 2.5...4A



		C.L.A.	
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)	А	6
	aM (IEC)	А	4
	RK5 (UL)	А	15
Phase failure detection			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	А	2.5
	Operational current max	A	4
Tripping class			 10A
Test Button			yes
Trip indicator			
Terminals			yes
Terminais			
	type		screw and washer
	screw		M4
	width	m m	12.6
	tool	mm	
Tightening torque for terminals	1001		Phillips 2
		N	2
	min	Nm	2
	max	Nm	2.5
	min	lbin Ibin	1.5
Ormalization existing	max	lbin	1.8
Conductor section			0
	AWG/kcmil max		8
Auxiliary circuit characteristics			
Auxiliary contacts	NO	Nr.	1

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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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	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	А	3
	120V	A	3
	240V	A	1.5
	380V	A	0.95
	480V	А	0.75
	500V	A	0.72
	600V	A	0.6
Operating current DC13			
	125V	А	0.11
	600V	A	0.22
IEC Conventional free air thermal current Ith	0001	A	10
Terminals		73	10
- Criminalo			screw and
	Auxiliary circuit type		washer
	Auxiliary circuit screw		M3,5
	Auxiliary circuit screw	mm	8
	Auxiliary circuit tool		Phillips 2
Conductor section	Advinary circuit tool		
	Auxiliary circuit Flexible w/o lug max	mm²	2.5
	Auxiliary circut Flexible w/o lug max	mm²	2.5
Ticktoning targue for terminals	Auxiliary circut Flexible C/w lug max	111111	2.5
Tightening torque for terminals		Nime	0.0
	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°
Fining			Direct mounting
Fixing			on BF09… BF38…
Weight		~	
Weight UL technical data		g	160
Full-load current (FLA) for three-phase AC motor	-1 40014	۸	4
	at 480V	A	4
	at 600V	A	4

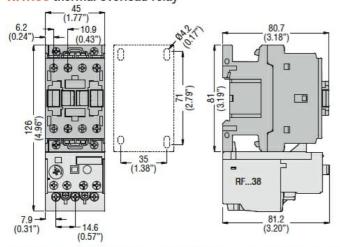
RF380400



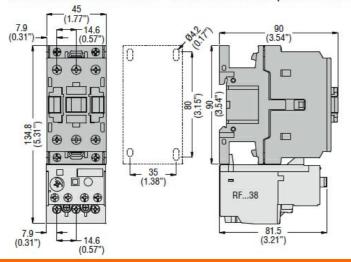
ENERGY AND AUTOMATION

Dimensions

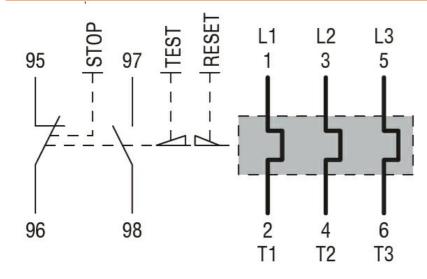
BF00 A... BF09 A... - BF12 A... - BF18 A... - BF25 A... three poles with RF...38 thermal overload relay



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



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 14 IEC/EN 60947-1



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	IEC/EN 60947-4-1	
	UL508	
Certifications		
	CCC	
	cULus	
	EAC	
ETIM classification		
		EC000106

ETIM 8.0

EC000106 -Thermal overload relay