



MOTOR PROTECTION RELAY, NON PHASE FAILURE/NON SINGLE-PHASE SENSITIVE. THREE-POLE (THREE-PHASE), MANUAL OR AUTOMATIC RESETTING. DIRECT MOUNTING ON BF09 - BF38 CONTACTORS, 4...6.5A



Product designation			RFN38
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	16
	aM (IEC)	Α	8
	RK5 (UL)	Α	25
Phase failure detection	,		no
Reset mode			Manual or automatic
Power circuit characteristics			automatic
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Rated operational voltage		V	690
Operational frequency			
operational moduloney	min	Hz	0
	max	Hz	400
Operational current le	THOX		
oporational carrone to	Operational current min	Α	4
	Operational current max	Α	6.5
Tripping class	operational current max		10A
Test Button			Yes
Trip indicator			yes
Terminals			yc3
Terrimais			screw and
	type		washer
	screw		M4
	width	mm	12.6
	tool		Phillips 2
Tightening torque for terminals	1001		1 11111p3 2
rightening torque for terminals	min	Nm	2
	max	Nm	2.5
	min	Ibin	1.5
	max	Ibin	1.8
Conductor section	max	10111	1.0
Conductor Section	AWG/kcmil max		8
Auxiliary circuit characteristics	7111 C/Romin max		
Auxiliary contacts			
,	NO	Nr.	1





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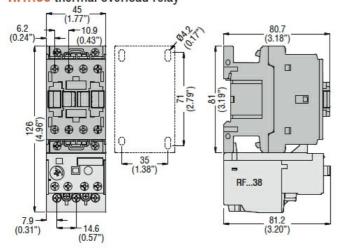
	NC	Nr.	1
Auxiliary Rated insulation voltage Ui IEC/EN	140	V	690
Auxiliary Rated impulse withstand voltage Uimp		kV	6
Auxiliary Rated operational voltage		V	690
Operating current AC15		<u> </u>	
ah aramang amaran sa sa	24V	Α	3
	120V	Α	3
	240V	Α	1.5
	380V	Α	0.95
	480V	Α	0.75
	500V	Α	0.72
	600V	Α	0.6
Operating current DC13			
operating content of the	125V	Α	0.11
	600V	Α	0.22
IEC Conventional free air thermal current Ith	0001	A	10
Terminals			. •
			screw and
	Auxiliary circuit type		washer
	Auxiliary circuit screw		M3,5
	Auxiliary circuit width	mm	8
	Auxiliary circuit tool		Phillips 2
Conductor section	rtarinary on our tool		po 2
	Auxiliary circuit Flexible w/o lug max	mm²	2.5
	Auxiliary circut Flexible c/w lug max	mm²	2.5
Tightening torque for terminals	raxiliary offeat Flexible 6, Wilag Hax		2.0
righterning torque for terminals	Auxiliary circuit min	Nm	0.8
	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 y circuit max	10111	B600-R300
Ambient conditions			D000 11000
Operating temperature			
Operating temperature	min	°C	-25
	max	°C	60
Storage temperature	max		00
Storage temperature	min	°C	-50
	max	°C	70
Compensation temperature	IIIAX		10
Compensation temperature	min	°C	-20
	max	°C	60
Max altitude	illax		3000
Mechanical features		m	3000
Operating position			
Operating position	normal		Vartical plan
	normai allowable		Vertical plan ±30°
	allowable		
Fixing			Direct mounting on BF09
LIMING			BF38
Weight			160
UL technical data		g	100
Full-load current (FLA) for three-phase AC motor			
i dii idad dulletit (i LA) toi tillee-pilase AC filotoi	at 480V	٨	6.5
	at 480V at 600V	A A	6.5 6.5
	at 600V	A	0.0

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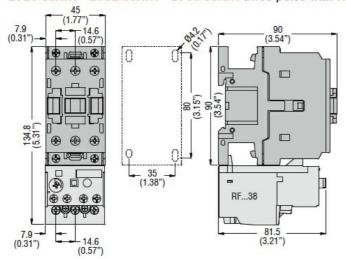
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Dimensions

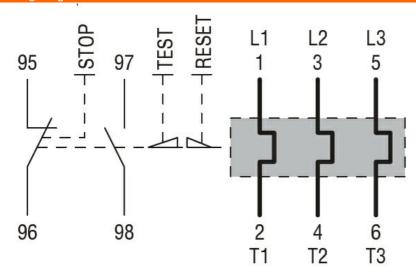
BF00 A... BF09 A... - BF12 A... - BF18 A... - BF25 A... three poles with RF...38 thermal overload relay



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



Wiring diagrams



Certifications and compliance

Compliance

RFN380650

CSA C22.2 n° 14

IEC/EN 60947-1



ENERGY AND AUTOMATION

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

ETIM classification

ETIM 8.0

EC000106 -Thermal overload relay