RFN380160



MOTOR PROTECTION RELAY, NON PHASE FAILURE / NON SINGLE PHASE SENSITIVE. THREE POLE (THREE PHASE), MANUAL OR AUTOMATIC RESETTING. DIRECT MOUNTING ON BF09 - BF38 CONTACTORS, 1...1.6A



			80
Product designation			RFN38
v			Motor protection
Product type designation			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	4
	aM (IEC)	А	2
	RK5 (UL)	А	6
Phase failure detection			No
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
	Operational current max	А	1.6
Tripping class			10A
Test Button			Yes
Trip indicator			Yes
Terminals			
	tuno		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			
	AWG/kcmil max		8
Auxiliary circuit characteristics			
Auxiliary contacts			
	NO	nr.	1

RFN380160

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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RFN380160

	NC	pr	1
Auxiliary Rated insulation voltage Ui IEC/EN	INC.	nr. V	690
Auxiliary Rated impulse withstand voltage Uimp		kV	6
Auxiliary Rated operational voltage		V	690
Operating current AC15		v	090
Operating current AC 15	24V	А	3
	120V	A	3
	240V	A	1.5
	380V	A	0.95
	480V	A	0.75
	500V	A	0.72
	600V	A	0.6
Operating current DC13	0001		0.0
Operating current DO 15	125V	А	0.11
	600V	A	0.22
IEC Conventional free air thermal current Ith	8007	A	10
Terminals		A	10
Terriniais			Screw and
	Auxiliary circuit type		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 circuit Flexible w/o lug max	mm²	2.5
Tightoning torque for terminals	Auxiliary circut Flexible C/w lug max	111111	2.0
Tightening torque for terminals		Nimo	0.0
	Auxiliary circuit min	Nm	0.8
	Auxiliary circuit max Auxiliary circuit min	Nm Ibin	1 0.59
	Auxiliary circuit max	Ibin	0.39
UL/CSA and IEC/EN 60947-5-1 designation	Auxiliary circuit max		B600-R300
Ambient conditions			D000-K300
Operating temperature		°C	25
	min	℃ ℃	-25 60
Storage temperature	max	U	00
Sioraye lemperature		°C	50
	min	°C	-50 70
Compensation temperature	max	C	10
		°C	-20
	min	°C	-20 60
Max altitude	max		3000
Mechanical features		m	3000
Operating position			Vortical plan
	normal		Vertical plan
Weight	allowable		±30°
Weight		g	160
UL technical data			
Full-load current (FLA) for three-phase AC motor			4.0
	at 480V	A	1.6
	at 600V	A	1.6
Dimensions			

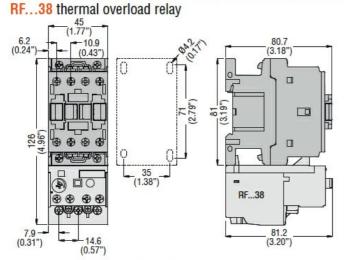
RFN380160



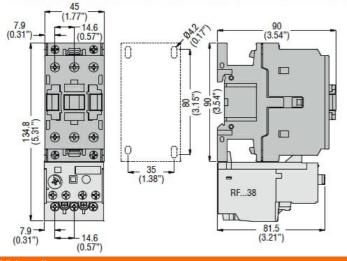
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RFN380160

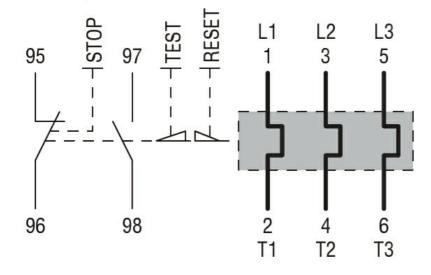
BF00 A... BF09 A... - BF12 A... - BF18 A... - BF25 A... three poles with



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 IEC/EN 60947-4-1

RFN380160



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	UL508
Certifications	
	CCC
	cULus
	EAC