RFN380250



MOTOR PROTECTION RELAY, NON PHASE FAILURE/NON SINGLE-PHASE SENSITIVE. THREE-POLE (THREE-PHASE), MANUAL OR AUTOMATIC RESETTING. DIRECT MOUNTING ON BF09 - BF38 CONTACTORS, 1.6...2.5A



Product designation			RFN38
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)	Α	10
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	A	1.6
	Operational current max	A	2.5
Tripping class			10A
Test Button			Yes
Trip indicator			yes
Terminals			
	type		screw and
			washer
	screw		M4
	width	mm	12.6
	tool		Phillips 2
Tightening torque for terminals		Nime	0
	min	Nm	2
	max	Nm	2.5
	min	lbin Ibin	1.5
Conductor contion	max	lbin	1.8
Conductor section	AWG/kcmil max		0
Auviliary circuit characteristics	AvvG/Kcmii max		8
Auxiliary circuit characteristics			
Auxiliary contacts		Nir	1
	NO	Nr.	1

RFN380250



RFN380250 MOTOR PROTECTION RELAY, NON PHASE FAILURE/NON SINGLE-PHASE SENSITIVE. THREE-POLE (THREE-PHASE), MANUAL OR AUTOMATIC RESETTING. DIRECT MOUNTING ON BF09 - BF38 CONTACTORS, 1.6...2.5A

	NG	N I.e	4
Auxiliary Rated insulation voltage Ui IEC/EN	NC	Nr. V	<u> 1 </u>
		kV	6
Auxiliary Rated impulse withstand voltage Uimp Auxiliary Rated operational voltage		V KV	<u> 6</u> 690
Operating current AC15		V	090
Operating current AC15	24V	А	3
	24V 120V	A	3
	240V	A	3 1.5
	380V	A	0.95
	480V	A	0.95
	480V 500V	A	0.75
	600V	A	0.72
Operating current DC13	800 v	A	0.0
Operating current DC15	125V	А	0.11
	600V		0.22
IEC Conventional free air thermal current Ith	800 v	A A	10
Terminals		A	10
reminais			screw and
	Auxiliary circuit type		washer
	Auxiliary circuit screw		M3,5
	Auxiliary circuit width	mm	8
	Auxiliary circuit would Auxiliary circuit tool		9 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
Tightening torque for terminals	Auxiliary circut Flexible C/w lug max	11111	2.5
rightening torque for terminals		Nimo	0.0
	Auxiliary circuit min	Nm	0.8
	Auxiliary circuit max	Nm Ibin	1
	Auxiliary circuit min	Ibin	0.59 0.74
UL/CSA and IEC/EN 60947-5-1 designation	Auxiliary circuit max	IDIN	B600-R300
Ambient conditions			D000-K300
Operating temperature			
	min	°C	-25
		°C	-25 60
Storago tomporaturo	max	C	00
Storage temperature		°C	-50
	min		
Componention tomporature	max	°C	70
Compensation temperature		°C	20
	min	°C	-20 60
Max altitude	max		
Max altitude Mechanical features		m	3000
Operating position			
			Vortical plan
	normal allowable		Vertical plan ±30°
	allowable		
Fixing			Direct mounting on BF09
i ining			BF38
Weight		0	160
UL technical data		g	
Full-load current (FLA) for three-phase AC motor			
i un-load current (r'LA) loi tinee-phase AC 110101	at 480V	٨	2.5
	at 4800 at 600V	A A	2.5 2.5
		A	2.0

RFN380250



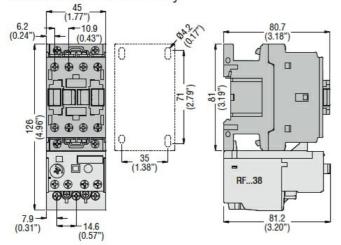
RFN380250

ENERGY AND AUTOMATION

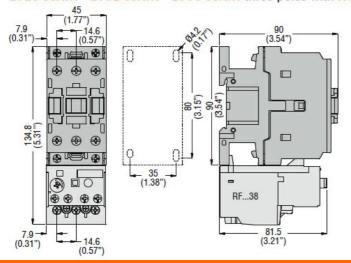
MOTOR PROTECTION RELAY, NON PHASE FAILURE/NON SINGLE-PHASE SENSITIVE. THREE-POLE (THREE-PHASE), MANUAL OR AUTOMATIC RESETTING. DIRECT MOUNTING ON BF09 - BF38 CONTACTORS, 1.6...2.5A

Dimensions

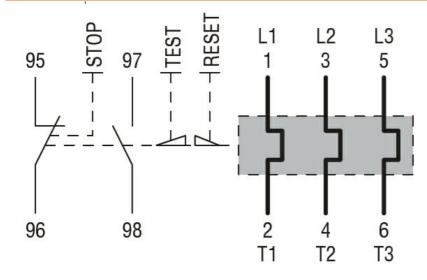
BF00 A... BF09 A... - BF12 A... - BF18 A... - BF25 A... three poles with RF...38 thermal overload relay



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



RFN380250 MOTOR PROTECTION RELAY, NON PHASE FAILURE/NON SINGLE-PHASE SENSITIVE. THREE-POLE (THREE-PHASE), MANUAL OR AUTOMATIC RESETTING. DIRECT MOUNTING ON BF09 - BF38 CONTACTORS, 1.6...2.5A

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

ETIM 8.0

EC000106 -Thermal overload relay