RF825000



MOTOR PROTECTION RELAY, PHASE FAILURE/SINGLE-PHASE SENSITIVE. THREE-POLE (THREE-PHASE), MANUAL RESETTING. DIRECT MOUNTING ON BF40 - BF94 CONTACTORS, 35...50A



Product designation			RF82 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	100
	aM (IEC)	А	50
	K5 (UL)	А	175
Phase failure detection			yes
Reset mode			Manual
Power circuit characteristics			
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	8
Rated operational voltage		V	690
Operational frequency			
	min	Hz	0
	max	Hz	400
Operational current le			
	Operational current min	А	35
	Operational current max	А	50
Tripping class	· · ·		10A
Test Button			Yes
Trip indicator			yes
Terminals			
	type		Yoke clamp
	screw		M5
	width	mm	9
	tool		Phillips 2
Tightening torque for terminals			
	min	Nm	3.9
	max	Nm	3.9
	min	Ibin	2.88
	max	Ibin	2.88
Conductor section			
	AWG/kcmil max		2
Auxiliary circuit characteristics			
Auxiliary contacts			
	NO	Nr.	1
	NC	Nr.	1
Auxiliary Rated insulation voltage Ui IEC/EN	110	V	690
Auniary Maleu insulation voltage ULILO/LIN		v	030

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Auxiliary Rated impulse withstand voltage Uimp	k\	/ 6
Auxiliary Rated operational voltage	V	690
Operating current AC15		
	24V A	3
1:	20V A	3
24	40V A	1.5
38	30V A	0.95
48	30V A	0.75
50	00V A	0.72
60	00V A	0.6
Operating current DC13		
1:	25V A	0.11
60	00V A	0.22
IEC Conventional free air thermal current Ith	A	10
Terminals		
		screw and
Auxiliary circuit t	уре	washer
Auxiliary circuit sc	rew	M3,5
Auxiliary circuit w		n 8
Auxiliary circuit		Phillips 1
Conductor section		·
Auxiliary circuit Flexible w/o lug	max mn	n² 2.5
Auxiliary circut Flexible c/w lug		n² 2.5
Tightening torque for terminals		
Auxiliary circuit	min Nr	n 1
Auxiliary circuit i		
Auxiliary circuit		
Auxiliary circuit		
UL/CSA and IEC/EN 60947-5-1 designation		B600-P600
Ambient conditions		
Operating temperature		
	min °C	-20
	nax °C	
Storage temperature		
	min °C	-55
	nax °C	
Compensation temperature		
	min °C	C -15
	nax °C	
Max altitude	m	
Mechanical features		
Operating position		
	mal	Vertical plan
allowa		±30°
		Direct mounting
Fixing		on BF40
-		BF94
Weight	g	365
UL technical data		
Full-load current (FLA) for three-phase AC motor		
at 4	30V A	50
at 6		

Dimensions

RF825000

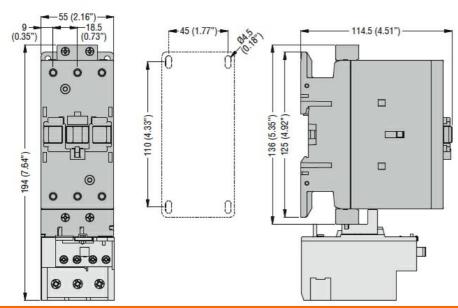
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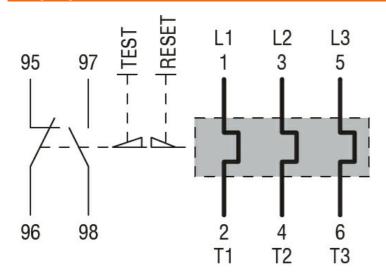


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Wiring diagrams



Certifications and compliance

Compliance	
	CSA C22.2 n° 14
	IEC/EN 60947-1
	IEC/EN 60947-4-1
	UL508
Cartifications	

Certifications

cULus

ETIM classification

ETIM 8.0

EC000106 -Thermal overload relay