RF829500



MOTOR PROTECTION RELAY, PHASE FAILURE/SINGLE-PHASE SENSITIVE. THREE-POLE (THREE-PHASE), MANUAL RESETTING. DIRECT MOUNTING ON BF40 - BF94 CONTACTORS, AND AUTOMATION 70...95A



Product designation Product type designation			RF82 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)	Α	200
	aM (IEC)	А	100
	K5 (UL)	Α	350
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	70
	Operational current max	А	95
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			r -
	min	Nm	3.9
	max	Nm	3.9
	min	Ibin	2.88
	max	Ibin	2.88
Conductor section	Пал	10111	2.00
	AWG/kcmil max		2
Auxiliary circuit characteristics			2
Auxiliary contacts			
	NO	Nr.	1
	NC	Nr.	1
Auxiliary Rated insulation voltage Ui IEC/EN	NC	V	690
Auxiliary Raleo Insulation voltade ULIEC/EN		V	090

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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Auxiliary Rated impulse withstand voltage Uimp	k٧	6
Auxiliary Rated operational voltage	V	690
Operating current AC15		
	24V A	1.5
1	20V A	1.5
	240V A	0.75
5	500V A	0.72
Dperating current DC13		
	125V A	0.11
	500V A	0.22
EC Conventional free air thermal current Ith	A	10
Ferminals	,,	10
		screw and
Auxiliary circuit	type	washer
Auxiliary circuit s	crow	M3,5
Auxiliary circuit s		
Auxiliary circuit Auxiliary circuit		
•		Phillips 1
Conductor section		2 0 5
Auxiliary circuit Flexible w/o lug		
Auxiliary circut Flexible c/w lug	max mm	1 ² 2.5
ightening torque for terminals		
Auxiliary circui		
Auxiliary circuit		
Auxiliary circui	t min 🛛 Ibiı	า 0.74
Auxiliary circuit	max Ibii	า 0.74
JL/CSA and IEC/EN 60947-5-1 designation		B600-P600
Ambient conditions		
Dperating temperature		
	min °C	-20
	max °C	55
Storage temperature		
	min °C	-55
	max °C	
Compensation temperature		
	min °C	-15
	max °C	
Max altitude		
Achanical features	m	3000
Operating position		
	ormal	Vertical plan
allow		±30°
Veight	g	365
JL technical data		
Full-load current (FLA) for three-phase AC motor	480V A	95

Dimensions [mm (in)]

RF829500

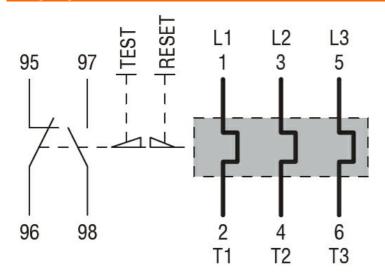


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55 (2.16") -18.5 (0.73") 9 → (0.35") 114.5 (4.51") -45 (1.77")-5.00 • 6 ſ Ò 0 Ó 0 0 136 (5.35") 125 (4.92") 110 (4.33") П 194 (7.64") 0 0 0 0 0 0 0 6 æ 0 (CA Ø

Wiring diagrams



Certifications and compliance

Compliance		
	CSA C22.2 n° 14	
	IEC/EN 60947-1	
	IEC/EN 60947-4-1	
	UL508	
Certifications		
	<u>CCC</u>	
	cULus	
	EAC	
ETIM classification		
ETIM 8.0		EC000106 - Thermal overload relay

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