RF824200



MOTOR PROTECTION RELAY, PHASE FAILURE/SINGLE-PHASE SENSITIVE. THREE-POLE (THREE-PHASE), MANUAL RESETTING. DIRECT MOUNTING ON BF40 - BF94 CONTACTORS, AND AUTOMATION 28...42A



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	80
	aM (IEC)	А	50
	K5 (UL)	А	150
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	28
	Operational current max	А	42
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			
5 5 1	min	Nm	3.9
	max	Nm	3.9
	min	lbin	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		V	690
		v	

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ENERGY AND AUTOMATION

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Auxiliary Rated impulse withstand voltage Uimp		kV	6
Auxiliary Rated operational voltage		V	690
Operating current AC15		•	
operating earlier relief	24V	А	3
	120V	A	3
	240V	A	1.5
	380V	А	0.95
	480V	А	0.75
	500V	А	0.72
	600V	А	0.6
Operating current DC13			
	125V	А	0.11
	600V	А	0.22
IEC Conventional free air thermal current Ith		А	10
Terminals			
	Auxiliary circuit type		screw and washer
	Auxiliary circuit screw		M3,5
	Auxiliary circuit width	mm	8
	Auxiliary circuit tool		Phillips 1
Conductor section			
	Auxiliary circuit Flexible w/o lug max	mm²	2.5
	Auxiliary circut Flexible c/w lug max	mm²	2.5
Tightening torque for terminals			
	Auxiliary circuit min	Nm	1
	Auxiliary circuit max	Nm	1
	Auxiliary circuit min	lbin	0.74
	Auxiliary circuit max	lbin	0.74
UL/CSA and IEC/EN 60947-5-1 designation			B600-P600
Ambient conditions			
Operating temperature			
	min	°C	-20
	max	°C	55
Storage temperature		° 0	
	min	°C	-55
Or man and the second second second	max	°C	80
Compensation temperature		°C	15
	min	°C	-15 55
Max altitude	max		55 3000
Mechanical features		m	3000
Operating position			
Operating position	normal		Vortical plan
	allowable		Vertical plan ±30°
	allowable		Direct mounting
Fixing			on BF40 BF94
Weight		g	365
UL technical data		Э	
Full-load current (FLA) for three-phase AC motor			
	at 480V	А	42
	at 600V	A	42
	u: 000 V		· -

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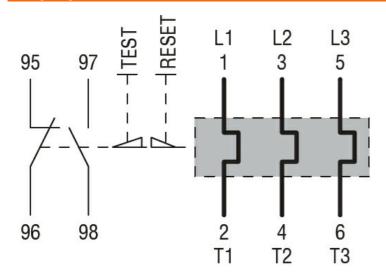
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55 (2.16") -18.5 (0.73") 9-(0.35" 114.5 (4.51") --45 (1.77") .0 • æ Ċ 0 Ó 0 0 136 (5.35") 125 (4.92") 110 (4.33") Π 194 (7.64") 0 0 C O 0 0 A æ 0 00

Wiring diagrams



Certifications and compliance

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

Certifications

cULus

ETIM classification

ETIM 8.0

EC000106 -Thermal overload relay

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