## **RFA828200**



MOTOR PROTECTION RELAY, PHASE FAILURE/SINGLE-PHASE SENSITIVE. THREE-POLE (THREE-PHASE), AUTOMATIC RESETTING. DIRECT MOUNTING ON BF40 - BF94 CONTACTORS, 60...82A



Product designation			RFA82
Product type designation			Motor protection relay
General characteristics			lolay
Number of poles		Nr.	3
Overvoltage category			
Pollution degree			3
Frontal IP degree			IP20
Type of release			Thermal
Protection fuse			
	gG (IEC)	А	200
	aM (IEC)	А	100
	K5 (UL)	А	250
Phase failure detection			yes
Reset mode			Automatic
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	60
	Operational current max	А	82
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

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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



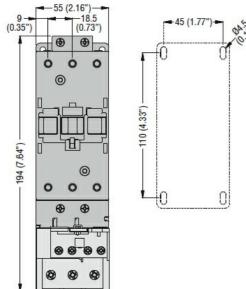
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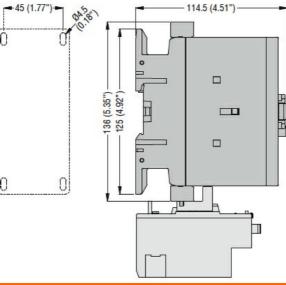
Auxiliary Rated impulse withstand voltage Uimp		kV	6
Auxiliary Rated operational voltage		V	690
Operating current AC15			
	24V	А	1.5
	120V	А	1.5
	240V	А	0.75
IEC Conventional free air thermal current Ith		A	10
Terminals			
- Children			screw and
	Auxiliary circuit type		washer
	Auxiliary circuit screw		M3,5
	Auxiliary circuit screw	mm	8
		111111	
	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	Ibin	0.74
	Auxiliary circuit max	Ibin	0.74
UL/CSA and IEC/EN 60947-5-1 designation			C300-R300
Ambient conditions			
Operating temperature			
	min	°C	-20
	max	°C	55
Storage temperature			
	min	°C	-55
	max	°C	80
Componentian temperature	IIIaA	0	00
Compensation temperature		° <b>^</b>	45
	min	°C °°	-15
	max	°C	55
Max altitude		m	3000
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
			Direct mounting
Fixing			on BF40
			BF94
Weight		g	365
UL technical data			
Full-load current (FLA) for three-phase AC motor			
· · · ·	at 480V	А	82
	at 600V	A	82
Dimensions			

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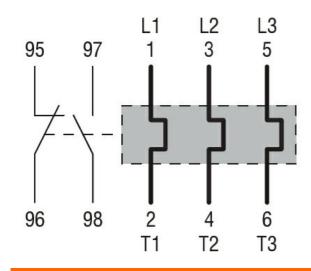


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Wiring diagrams



## Certifications and compliance

RFA828200

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

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