## **RFNA826500**



MOTOR PROTECTION RELAY, NON PHASE FAILURE/NON SINGLE-PHASE SENSITIVE. THREE-POLE (THREE-PHASE), AUTOMATIC RESETTING. DIRECT MOUNTING ON BF40 -BF94 CONTACTORS, 46...65A



Product designation			RFNA82
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	125
	aM (IEC)	А	80
	K5 (UL)	А	200
Phase failure detection	· · · · ·		no
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	46
		Δ	
	Operational current max	А	65
Tripping class		A	65 10A
Test Button		A	65 10A Yes
Test Button Trip indicator		A	65 10A
Test Button	Operational current max	A	65 10A Yes yes
Test Button Trip indicator	Operational current max	A	65 10A Yes yes Yoke clamp
Test Button Trip indicator	Operational current max		65 10A Yes yes Yoke clamp M5
Test Button Trip indicator	Operational current max type screw width	A	65 10A Yes yes Yoke clamp M5 9
Test Button Trip indicator Terminals	Operational current max		65 10A Yes yes Yoke clamp M5
Test Button Trip indicator	Operational current max type screw width tool	mm	65 10A Yes yes Yoke clamp M5 9 Phillips 2
Test Button Trip indicator Terminals	Operational current max type screw width tool min	mm	65 10A Yes yes Yoke clamp M5 9 Phillips 2 3.9
Test Button Trip indicator Terminals	Operational current max type screw width tool min max	mm Nm Nm	65 10A Yes yes Yoke clamp M5 9 Phillips 2 3.9 3.9
Test Button Trip indicator Terminals	Operational current max type screw width tool min max min	mm Nm Nm Ibin	65 10A Yes yes Yoke clamp M5 9 Phillips 2 3.9 3.9 2.88
Test Button Trip indicator Terminals Tightening torque for terminals	Operational current max type screw width tool min max	mm Nm Nm	65 10A Yes yes Yoke clamp M5 9 Phillips 2 3.9 3.9
Test Button Trip indicator Terminals	Operational current max type screw width tool min max min max	mm Nm Nm Ibin	65 10A Yes yes Yoke clamp M5 9 Phillips 2 3.9 3.9 3.9 2.88 2.88
Test Button Trip indicator Terminals Tightening torque for terminals Conductor section	Operational current max type screw width tool min max min	mm Nm Nm Ibin	65 10A Yes yes Yoke clamp M5 9 Phillips 2 3.9 3.9 2.88
Test Button         Trip indicator         Terminals         Tightening torque for terminals         Conductor section         Auxiliary circuit characteristics	Operational current max type screw width tool min max min max	mm Nm Nm Ibin	65 10A Yes yes Yoke clamp M5 9 Phillips 2 3.9 3.9 3.9 2.88 2.88
Test Button Trip indicator Terminals Tightening torque for terminals Conductor section	Operational current max type screw width tool min max min max MWG/kcmil max	mm Nm Ibin Ibin	65 10A Yes yes Yoke clamp M5 9 Phillips 2 3.9 3.9 2.88 2.88 2.88
Test Button         Trip indicator         Terminals         Tightening torque for terminals         Conductor section         Auxiliary circuit characteristics	Operational current max type screw width tool min max min max AWG/kcmil max NO	mm Nm Ibin Ibin	65 10A Yes yes Yoke clamp M5 9 Phillips 2 3.9 3.9 2.88 2.88 2.88 2.88
Test Button         Trip indicator         Terminals         Tightening torque for terminals         Conductor section         Auxiliary circuit characteristics	Operational current max type screw width tool min max min max Min max	mm Nm Ibin Ibin	65 10A Yes yes Yoke clamp M5 9 Phillips 2 3.9 3.9 2.88 2.88 2.88



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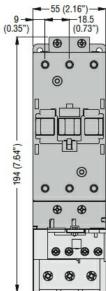
Auxiliary Rated impulse withstand voltage Uimp		kV	6
Auxiliary Rated operational voltage		V	690
Operating current AC15			
	24V	А	1.5
	120V	А	1.5
	240V	Α	0.75
IEC Conventional free air thermal current Ith		Α	10
Terminals			
	Auxiliary circuit type		screw and
			washer
	Auxiliary circuit screw		M3,5
	Auxiliary 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	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
Compensation temperature			
	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			05
	at 480V	A	65
	at 600V	А	65
Dimensions			

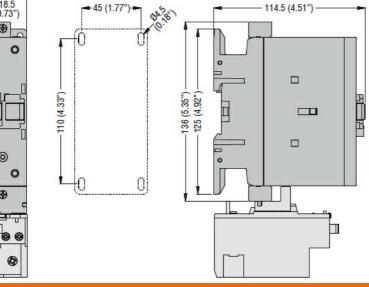
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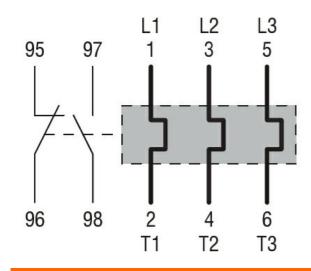


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Wiring diagrams



## Certifications and compliance

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

I hermal overload relay

ENERGY AND AUTOMATION

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