



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



Product designation			RFNA82
Product type designation			Motor protection relay
General characteristics			Telay
Number of poles		Nr.	3
Overvoltage category			III
Pollution degree			3
Frontal IP degree			IP20
Type of release			Thermal
Protection fuse			
	gG (IEC)	Α	200
	aM (IEC)	Α	100
	K5 (UL)	Α	250
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			
-1			
	Operational current min	Α	60
	Operational current min Operational current max		60 82
Tripping class	Operational current min Operational current max	A A	82
Tripping class Test Button	•		82 10A
Test Button	•		82 10A yes
	•		82 10A
Test Button Trip indicator	Operational current max		82 10A yes yes
Test Button Trip indicator	•		82 10A yes yes Yoke clamp
Test Button Trip indicator	Operational current max type		82 10A yes yes
Test Button Trip indicator	Operational current max  type screw	A	82 10A yes yes Yoke clamp M5 9
Test Button Trip indicator Terminals	Operational current max  type screw width	A	82 10A yes yes Yoke clamp M5
Test Button Trip indicator	Operational current max  type screw width tool	mm	82 10A yes yes Yoke clamp M5 9 Phillips 2
Test Button Trip indicator Terminals	Operational current max  type screw width	A	82 10A yes yes Yoke clamp M5 9 Phillips 2
Test Button Trip indicator Terminals	Operational current max  type screw width tool min	mm Nm	82 10A yes yes Yoke clamp M5 9 Phillips 2
Test Button Trip indicator Terminals	Operational current max  type screw width tool  min max	mm Nm Nm	82 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	82 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 min	mm Nm Nm Ibin	82 10A yes yes Yoke clamp M5 9 Phillips 2  3.9 3.9 2.88
Test Button Trip indicator Terminals  Tightening torque for terminals	type screw width tool min max min max	mm Nm Nm Ibin	82 10A yes yes Yoke clamp M5 9 Phillips 2  3.9 3.9 2.88 2.88
Test Button Trip indicator Terminals  Tightening torque for terminals  Conductor section	type screw width tool min max min max	mm Nm Nm Ibin	82 10A yes yes Yoke clamp M5 9 Phillips 2  3.9 3.9 2.88 2.88
Test Button Trip indicator Terminals  Tightening torque for terminals  Conductor section  Auxiliary circuit characteristics	type screw width tool min max min max	mm Nm Nm Ibin	82 10A yes yes Yoke clamp M5 9 Phillips 2  3.9 3.9 2.88 2.88
Test Button Trip indicator Terminals  Tightening torque for terminals  Conductor section  Auxiliary circuit characteristics	type screw width tool min max min max AWG/kcmil max	mm Nm Nm Ibin Ibin	82 10A yes yes Yoke clamp M5 9 Phillips 2  3.9 3.9 2.88 2.88





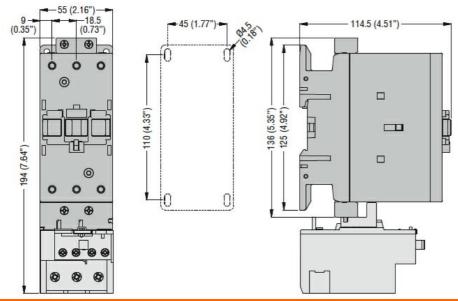
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Availle or Detection and a with standard to the seal lines		1.77	
Auxiliary Rated impulse withstand voltage Uimp		kV V	6 690
Auxiliary Rated operational voltage		V	690
Operating current AC15	241/	۸	4 5
	24V	A	1.5
	120V	A	1.5
IFC Conventional free air the arread accuracy take	240V	A	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	lbin	0.74
	Auxiliary circuit max	lbin	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°
Weight		g	365
UL technical data			
Full-load current (FLA) for three-phase AC motor			
, , ,	at 480V	Α	82
	at 600V	Α	82
Dimensions			

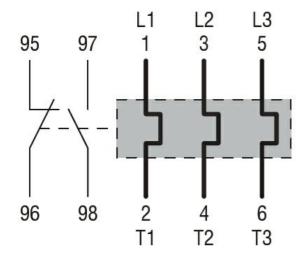




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## Wiring diagrams



## Certifications and compliance

Compliance

CSA C22.2 n° 14

IEC/EN 60947-1

IEC/EN 60947-4-1

UL508

Certifications

cULus

ETIM classification

**ETIM 8.0** 

EC000106 -Thermal overload relay