



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



Product designation			RFA82
Product type designation			Motor protection relay
General characteristics			· c.c.y
Number of poles		Nr.	3
Overvoltage category			III
Pollution degree			3
Frontal IP degree			IP20
Type of release			Thermal
Protection fuse			
	gG (IEC)	Α	80
	aM (IEC)	Α	50
	K5 (UL)	Α	150
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	Α	28
	Operational current min Operational current max	A A	28 42
Tripping class	•		
Tripping class Test Button	•		42 10A
	•		42 10A yes
Test Button	•		42 10A
Test Button Trip indicator	Operational current max		42 10A yes yes
Test Button Trip indicator	•		42 10A yes
Test Button Trip indicator	Operational current max type		42 10A yes yes Yoke clamp
Test Button Trip indicator	Operational current max type screw	A	42 10A yes yes Yoke clamp M5
Test Button Trip indicator	Operational current max type screw width	A	42 10A yes yes Yoke clamp M5 9
Test Button Trip indicator Terminals	Operational current max type screw width	A	42 10A yes yes Yoke clamp M5 9
Test Button Trip indicator Terminals	Operational current max type screw width tool	mm	42 10A yes yes Yoke clamp M5 9 Phillips 2
Test Button Trip indicator Terminals	Operational current max type screw width tool min	Mm Nm	42 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	42 10A yes yes Yoke clamp M5 9 Phillips 2
Test Button Trip indicator Terminals	Operational current max type screw width tool min max min	mm Nm Nm Ibin	42 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	42 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	42 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	42 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	42 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	42 10A yes yes Yoke clamp M5 9 Phillips 2 3.9 3.9 2.88 2.88





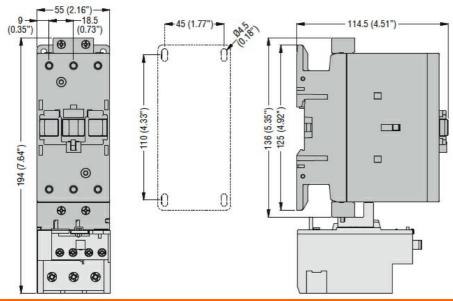
ENERGY AND AUTOMATION

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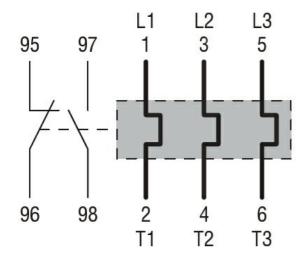
Auxiliary Rated impulse withstand voltage Uimp		kV	6
Auxiliary Rated operational voltage		V	690
Operating current AC15			
	24V	Α	1.5
	120V	Α	1.5
	240V	Α	0.75
IEC Conventional free air thermal current Ith		Α	10
Terminals			
	Auxiliary circuit type		screw and washer
	Auxiliary circuit screw		M3,5
	Auxiliary circuit width	mm	8
	Auxiliary circuit tool	111111	Phillips 1
Conductor section	Advillary circuit tool		i illiips i
Conductor Section	Auxiliary circuit Flexible w/o lug max	mm²	2.5
	Auxiliary circuit Flexible c/w lug max	mm²	2.5
Tightening torque for terminals	Addition of the control of the contr	111111	2.5
rigitering torque for terminals	Auxiliary circuit min	Nm	1
	Auxiliary circuit max	Nm	1
	Auxiliary circuit max Auxiliary circuit min	lbin	0.74
	Auxiliary circuit max	lbin	0.74
UL/CSA and IEC/EN 60947-5-1 designation	Auxiliary circuit max	IDIII	C300-R300
Ambient conditions			C300-K300
Operating temperature			
operating temperature	min	°C	-20
	max	°C	55
Storage temperature	max		- 55
Otorage temperature	min	°C	-55
	max	°C	80
Compensation temperature	max		00
Compensation temperature	min	°C	-15
	max	°C	55
Max altitude	Illax		3000
Mechanical features		111	3000
Operating position			
Operating position	normal		Vertical plan
	allowable		±30°
	allowable		Direct mounting
Fixing			on BF40
			BF94
Weight		g	365
UL technical data			
Full-load current (FLA) for three-phase AC motor		_	
	at 480V	Α	42
	at 600V	Α	42
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