



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



Product designation			RFA82
Product type designation			Motor protection relay
General characteristics			
Number of poles		Nr.	3
Overvoltage category			III
Pollution degree			3
Frontal IP degree			IP20
Type of release			Thermal
Protection fuse			
	gG (IEC)	Α	125
	aM (IEC)	Α	80
	K5 (UL)	Α	200
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	46
	Operational current min Operational current max	A A	46 65
Tripping class	Operational current min Operational current max	A A	65
Tripping class Test Button	•		65 10A
Test Button	•		65 10A Yes
Test Button Trip indicator	•		65 10A
Test Button	Operational current max		65 10A Yes yes
Test Button Trip indicator	Operational current max type		65 10A Yes yes Yoke clamp
Test Button Trip indicator	Operational current max type screw	A	65 10A Yes yes Yoke clamp M5
Test Button Trip indicator	Operational current max type screw width		65 10A Yes yes Yoke clamp M5 9
Test Button Trip indicator Terminals	Operational current max type screw	A	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 Nm	65 10A Yes yes Yoke clamp M5 9 Phillips 2
Test Button Trip indicator Terminals	type screw width tool	mm Nm Nm	65 10A Yes yes Yoke clamp M5 9 Phillips 2 3.9 3.9
Test Button Trip indicator Terminals	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	type screw width tool	mm Nm Nm	65 10A Yes yes Yoke clamp M5 9 Phillips 2 3.9 3.9
Test Button Trip indicator Terminals	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 2.88 2.88
Test Button Trip indicator Terminals Tightening torque for terminals Conductor section	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	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 2.88 2.88
Test Button Trip indicator Terminals Tightening torque for terminals Conductor section	type screw width tool min max min max AWG/kcmil max	mm Nm Nm Ibin Ibin	65 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 Ibin Ibin	65 10A Yes yes Yoke clamp M5 9 Phillips 2 3.9 3.9 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			
	4V	Α	1.5
	0V	Α	1.5
24	0V	Α	0.75
EC Conventional free air thermal current Ith		Α	10
Terminals Auxiliary circuit ty	pe		screw and washer
Auxiliary circuit scr	ew		M3,5
Auxiliary circuit wi		nm	8
Auxiliary circuit t			Phillips 1
Conductor section			-
Auxiliary circuit Flexible w/o lug n	nax n	nm²	2.5
Auxiliary circut Flexible c/w lug n	nax n	nm²	2.5
Fightening torque for terminals			
Auxiliary circuit r	nin I	٧m	1
Auxiliary circuit n		٧m	1
Auxiliary circuit r		bin	0.74
Auxiliary circuit n	nax I	bin	0.74
UL/CSA and IEC/EN 60947-5-1 designation			C300-R300
Ambient conditions			
Operating temperature			
r		°C	-20
	nax	°C	55
Storage temperature	_		
		°C	-55
	nax	°C	80
Compensation temperature		۰.	4.5
		°C	-15 -5
		°C	55
Max altitude Mechanical features		m	3000
Operating position			
norr			Vertical plan
allowa	ble		±30°
Fixing			Direct mounting on BF40 BF94
Weight		g	365
JL technical data			
Full-load current (FLA) for three-phase AC motor			
at 48	0V	Α	65
at 60	0V	Α	65
Certifications and compliance			
Compliance			
CSA C22.2 n° 14			
IEC/EN 60947-1			
IEC/EN 60947-4-1			
UL508			
Certifications			



RFA826500

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ETIM classification

ETIM 8.0

EC000106 -Thermal overload relay