

MOTOR PROTECTION RELAY, PHASE FAILURE / SINGLE PHASE SENSITIVE. THREE POLE (THREE PHASE), MANUAL RESETTING. DIRECT MOUNTING ON BF95 - BF150 CONTACTORS, 70...95A



Product designation Product type designation			RF110 Motor protection
,, ,			relay
General characteristics			2
Number of poles		nr.	3 III
Overvoltage category Pollution degree			3
			IP20
Frontal IP degree Type of release			Thermal
Protection fuse			memai
Protection ruse	ac (IEC)	۸	200
	gG (IEC) aM (IEC)	A A	200 100
	K5 (UL)	A	350
Phase failure detection	K5 (OL)		
Reset mode			yes manual
Power circuit characteristics			manuai
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	8
Rated operational voltage		V	690
Operational frequency		V	690
Operational frequency	min	Hz	0
	min	⊓∠ Hz	400
Operational current le	max	ΠΖ	400
Operational current le	Operational current min	Α	70
	Operational current max	A	95
Tripping class	Operational current max		10A
Test Button			
Trip indicator			yes
Terminals			yes
Terrillias	typo		Yoke clamp
	type screw		M5
	width	mm	9
	tool	111111	Phillips 2
Tightening torque for terminals			1 111111po 2
rigitioning torquo for torriniaio	min	Nm	3.9
	Max	Nm	3.9
	min	lbin	2.88
	max	Ibin	2.88
Conductor section	····ax		
	AWG/kcmil max		2
Auxiliary circuit characteristics	, 5, Hux		
Auxiliary contacts			
	NO	nr.	1
	NC	nr.	1
Auxiliary Rated insulation voltage Ui IEC/EN		V	690



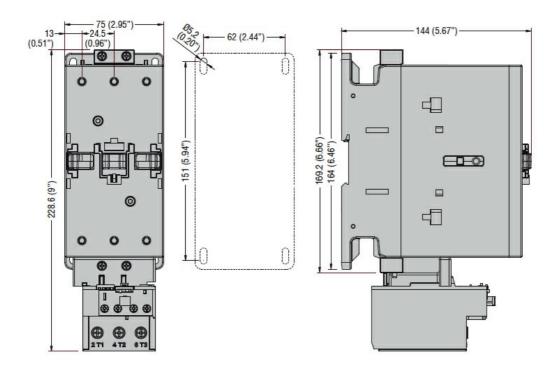
ENERGY AND AUTOMATION

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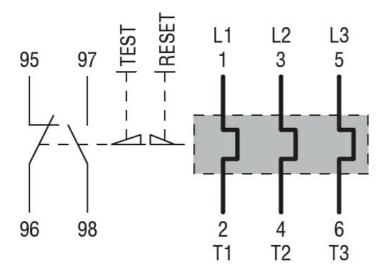
Auxiliary Rated impulse withstand voltage Uimp		kV	6
Auxiliary Rated operational voltage		V	690
Operating current AC15			
	24V	Α	1.5
	120V	Α	1.5
	240V	Α	0.75
	500V	Α	0.72
Operating current DC13			
	125V	Α	0.11
	600V	Α	0.22
IEC Conventional free air thermal current Ith		Α	10
Terminals			
	A 111		screw and
	Auxiliary circuit type		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	The second secon		
	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	,, ,,		B600-P600
Ambient conditions			
Operating temperature			
3 7	min	°C	-20
	max	°C	55
Storage temperature			
otorago tomporatano	min	°C	-55
	max	°C	80
Compensation temperature	max		
	min	°C	-15
	max	°C	55
Max altitude	IIIdA	 	3000
Mechanical features		111	3000
Operating position			
	normal		Vertical plan
	allowable		±30°
Weight	allowable	<u> </u>	365
UL technical data		g	303
Full-load current (FLA) for three-phase AC motor			
i dii load cultetit (i LA) loi tillee-pilase AC Illotol	at 480V	٨	95
	at 480V at 600V	A A	95 95
	ar nOOV	А	90

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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