

## MOTOR PROTECTION RELAY, PHASE FAILURE / SINGLE PHASE SENSITIVE. THREE POLE (THREE PHASE), MANUAL RESETTING. DIRECT MOUNTING ON BF95 - BF150 CONTACTORS, 90...110A



Product designation		RF110
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	200
aM (IEC)	Α	125
K5 (UL)	Α	350
Phase failure detection		yes
Reset mode		manual
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	90
Operational current max	Α	110
Tripping class		10A
Test Button		yes
Trip indicator		
Terminals		yes
		Volce alama
type		Yoke clamp
SCIEW		M5 9
width	mm	
Told to single feet and to the single feet and the single feet		Phillips 2
Tightening torque for terminals		
min	Nm	3.9
Max ·	Nm	3.9
min	lbin	2.88
max	Ibin	2.88
Conductor section		_
AWG/kcmil max		2
Auxiliary circuit characteristics		
Auxiliary contacts		
NO	nr.	1
NC	nr.	1
Auxiliary Rated insulation voltage Ui IEC/EN	V	690



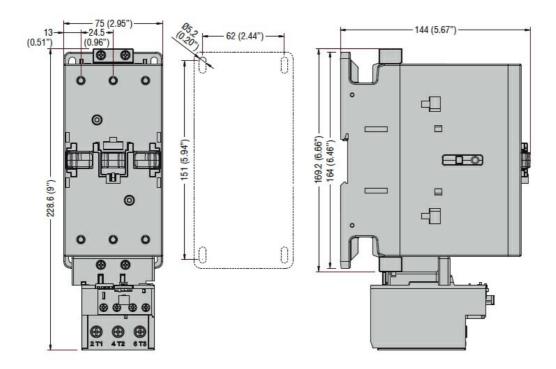
**ENERGY AND AUTOMATION** 

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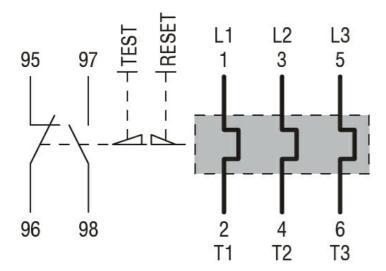
Auxiliary Rated impulse withstand voltage Uimp		kV	6
Auxiliary Rated operational voltage		V	690
Operating current AC15			
	24V	Α	1.5
	120V	Α	1.5
	240V	Α	0.75
	500V	Α	0.72
Operating current DC13			
operating content and	125V	Α	0.11
	600V	Α	0.22
IEC Conventional free air thermal current Ith	0001	A	10
Terminals		- , ,	10
Terrinas			screw and
	Auxiliary circuit type		washer
	Auxiliary circuit screw		M3,5
	Auxiliary circuit screw  Auxiliary circuit width	mm	8
	Auxiliary circuit widin	mm	o Phillips 1
Conductor section	Auxiliary Circuit (00)		i iiiiihə i
Johnandor Section	Auviliary airquit Elevible w/e lug	mm²	2.5
	Auxiliary circuit Flexible w/o lug max	mm²	2.5
Fightoning torque for torquirele	Auxiliary circut Flexible c/w lug max	mm²	2.5
Fightening torque for terminals	A 10		
	Auxiliary circuit min	Nm	1
	Auxiliary circuit max	Nm	1
	Auxiliary circuit min	lbin	0.74
	Auxiliary circuit max	Ibin	0.74
UL/CSA and IEC/EN 60947-5-1 designation			B600-P600
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			
J T T T T T T T T T T T T T T T T T T T	normal		Vertical plan
	allowable		±30°
Weight	anowabic	g	365
JL technical data		9	300
Full-load current (FLA) for three-phase AC motor			
i dii-load current (FLA) for three-phase AC Motor	-1 4001/	۸	110
	at 480V	A	110
Discounting -	at 600V	Α	110
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