

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



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	100
	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	70
	Operational current min Operational current max	A A	70 95
Tripping class	Operational current min Operational current max	A A	95
Tripping class Test Button	-		95 10A
Test Button	-		95 10A yes
Test Button Trip indicator	-		95 10A
Test Button	Operational current max		95 10A yes yes
Test Button Trip indicator	Operational current max		95 10A yes yes Yoke clamp
Test Button Trip indicator	Operational current max type screw	A	95 10A yes yes Yoke clamp M5
Test Button Trip indicator	Operational current max type screw width		95 10A yes yes Yoke clamp M5 9
Test Button Trip indicator Terminals	Operational current max type screw	A	95 10A yes yes Yoke clamp M5
Test Button Trip indicator	Operational current max type screw width tool	mm	95 10A yes yes Yoke clamp M5 9 Phillips 2
Test Button Trip indicator Terminals	Operational current max type screw width tool min	Mm Nm	95 10A yes yes Yoke clamp M5 9 Phillips 2
Test Button Trip indicator Terminals	type screw width tool	mm Nm Nm	95 10A yes yes Yoke clamp M5 9 Phillips 2
Test Button Trip indicator Terminals	type screw width tool min max min	mm Nm Nm Ibin	95 10A yes yes Yoke clamp M5 9 Phillips 2
Test Button Trip indicator Terminals Tightening torque for terminals	type screw width tool	mm Nm Nm	95 10A yes yes Yoke clamp M5 9 Phillips 2
Test Button Trip indicator Terminals	type screw width tool min max min max	mm Nm Nm Ibin	95 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	95 10A yes yes Yoke clamp M5 9 Phillips 2
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	95 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	95 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	95 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	95 10A yes yes Yoke clamp M5 9 Phillips 2 3.9 3.9 2.88 2.88

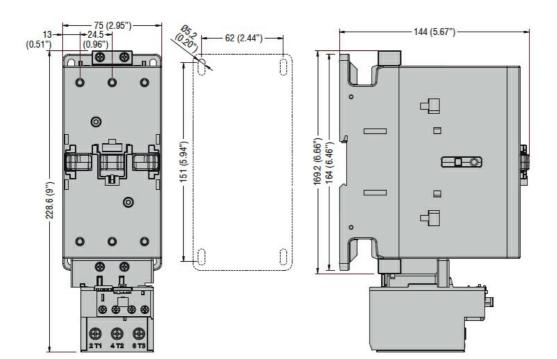


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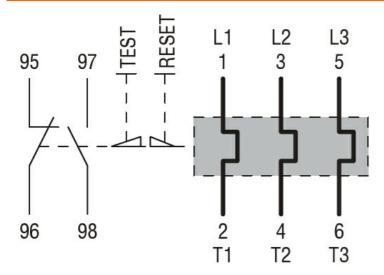
Auxiliary Rated impulse withstand voltage Uimp		kV	6
Auxiliary Rated operational voltage		V	690
Operating current AC15			
	24V	Α	1.5
	120V	Α	1.5
	240V	Α	0.75
	500V	Α	0.72
Operating current DC13			
	125V	Α	0.11
	600V	Α	0.22
EC Conventional free air thermal current Ith		Α	10
			screw and
	Auxiliary circuit type		washer
	Auxiliary circuit screw		M3,5
	Auxiliary circuit width	mm	8
	Auxiliary circuit tool		Phillips 1
Conductor section			
	ry circuit Flexible w/o lug max	mm²	2.5
	ry circut Flexible c/w lug max	mm²	2.5
ightening torque for terminals	ny choat i loxible a w lag max		2.0
ighterning torque for terminals	Auxiliary circuit min	Nm	1
	Auxiliary circuit max	Nm	1
	Auxiliary circuit min	Ibin	0.74
	Auxiliary circuit max	Ibin	0.74
JL/CSA and IEC/EN 60947-5-1 designation	Addition of Collection	10111	B600-P600
Ambient conditions			B000 1 000
Operating temperature			
porating temperature	min	°C	-20
	max	°C	55
Storage temperature	Шах		33
olorage temperature	min	°C	-55
	max	°C	-33 80
Compensation temperature	IIIdA		00
compensation temperature	min	°C	-15
	min	°C	-15 55
Max altitude	max		3000
Max attitude Mechanical features		m	3000
Operating position			
			\/orticel plan
Sperating position			Vertical plan
operating position	normal		1300
	normai allowable		±30°
Veight		g	±30° 365
Weight JL technical data		g	
Veight	allowable		365
Weight JL technical data		g A A	

ENERGY AND AUTOMATION

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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