



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



Product designation			RFA110
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			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	70
	Operational current min Operational current max	A A	70 95
	Operational current min Operational current max	A A	95
Tripping class	-		95 10A
Tripping class Test Button	-		95 10A yes
Tripping class Test Button Trip indicator	-		95 10A
Tripping class Test Button	Operational current max		95 10A yes yes
Tripping class Test Button Trip indicator	Operational current max		95 10A yes yes Yoke clamp
Tripping class Test Button Trip indicator	Operational current max type screw	A	95 10A yes yes Yoke clamp M5
Tripping class Test Button Trip indicator	Operational current max type screw width		95 10A yes yes Yoke clamp M5 9
Tripping class Test Button Trip indicator Terminals	Operational current max type screw	A	95 10A yes yes Yoke clamp M5
Tripping class Test Button Trip indicator	Operational current max type screw width tool	mm	95 10A yes yes Yoke clamp M5 9 Phillips 2
Tripping class 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
Tripping class Test Button Trip indicator Terminals	Operational current max type screw width tool min Max	mm Nm Nm	95 10A yes yes Yoke clamp M5 9 Phillips 2
Tripping class Test Button Trip indicator Terminals	Operational current max type screw width tool min Max min	mm Nm Nm Ibin	95 10A yes yes Yoke clamp M5 9 Phillips 2 3.9 3.9 2.88
Tripping class Test Button Trip indicator Terminals Tightening torque for terminals	Operational current max type screw width tool min Max	mm Nm Nm	95 10A yes yes Yoke clamp M5 9 Phillips 2
Tripping class 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
Tripping class Test Button Trip indicator Terminals Tightening torque for terminals Conductor section	Operational current max type screw width tool min Max min	mm Nm Nm Ibin	95 10A yes yes Yoke clamp M5 9 Phillips 2 3.9 3.9 2.88
Tripping class 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
Tripping class 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
Tripping class 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
Tripping class 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





ENERGY AND AUTOMATION

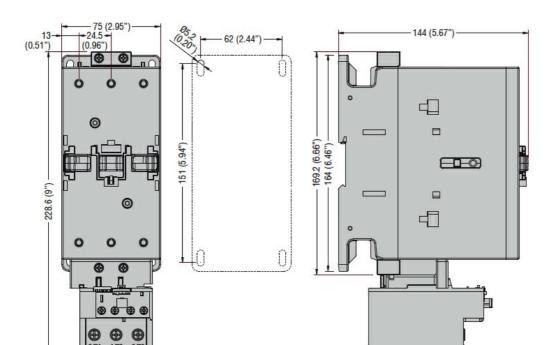
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Auxilian / Data disamula a with stand waltons I limen		14/	6
Auxiliary Rated impulse withstand voltage Uimp Auxiliary Rated operational voltage		kV V	690
Operating current AC15		V	090
Operating current AC15	24V	۸	1 E
	120V	A	1.5
	240V	A	1.5 0.75
IEC Conventional free air thermal current Ith	240 V	A 	10
Terminals		Α	10
reminais			
	Auxiliary circuit type		screw and 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			
	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			C300-R300
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			
	normal		Vertical plan
	allowable		±30°
Weight		g	365
UL technical data			
Full-load current (FLA) for three-phase AC motor			
	at 480V	Α	95
	at 600V	Α	95
Dimensions			

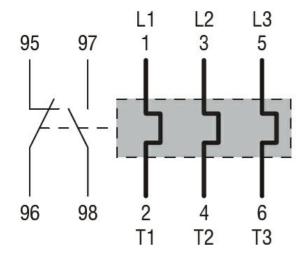


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Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 14

IEC/EN 60947-1

IEC/EN 60947-4-1

UL508

Certifications

cULus