

MOTOR PROTECTION RELAY, PHASE FAILURE/SINGLE-PHASE SENSITIVE. THREE-POLE (THREE-PHASE), AUTOMATIC RESETTING. DIRECT MOUNTING ON BF95 - BF150 CONTACTORS, 60...82A



Product designation			RFA110
•			Motor protection
Product type designation			relay
General characteristics			
Number of poles		Nr.	3
Overvoltage category			
Pollution degree			3
Frontal IP degree			IP20
Type of release			Thermal
Protection fuse			
	gG (IEC)	Α	200
	aM (IEC)	Α	100
	K5 (UL)	Α	250
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			
opolanonal moquello,	min	Hz	0
	max	Hz	400
Operational current le	max	1 12	100
Operational outrons to	Operational current min	Δ	60
Operational durient to	Operational current max	A A	60 82
	Operational current min Operational current max	A A	82
Tripping class	The state of the s		82 10A
Tripping class Test Button	The state of the s		82 10A Yes
Tripping class Test Button Trip indicator	The state of the s		82 10A
Tripping class Test Button	Operational current max		82 10A Yes yes
Tripping class Test Button Trip indicator	Operational current max		82 10A Yes yes
Tripping class Test Button Trip indicator	Operational current max type screw	A	82 10A Yes yes Yoke clamp M5
Tripping class Test Button Trip indicator	Operational current max type screw width		82 10A Yes yes Yoke clamp M5 9
Tripping class Test Button Trip indicator Terminals	Operational current max type screw	A	82 10A Yes yes Yoke clamp M5
Tripping class Test Button Trip indicator	Operational current max type screw width tool	mm	82 10A Yes yes Yoke clamp M5 9 Phillips 2
Tripping class Test Button Trip indicator Terminals	type screw width tool	Mm Nm	82 10A Yes yes Yoke clamp M5 9 Phillips 2
Tripping class Test Button Trip indicator Terminals	type screw width tool	mm Nm Nm	82 10A Yes yes Yoke clamp M5 9 Phillips 2 3.9 3.9
Tripping class Test Button Trip indicator Terminals	type screw width tool min max min	mm Nm Nm Ibin	82 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	type screw width tool	mm Nm Nm	82 10A Yes yes Yoke clamp M5 9 Phillips 2 3.9 3.9
Tripping class Test Button Trip indicator Terminals	type screw width tool min max min max	mm Nm Nm Ibin	82 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	mm Nm Nm Ibin	82 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	82 10A Yes yes Yoke clamp M5 9 Phillips 2 3.9 3.9 2.88 2.88
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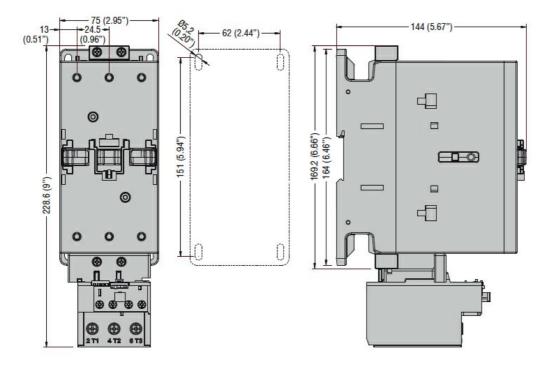
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Auxiliary Rated impulse withstand voltage Uimp		kV	6
Auxiliary Rated operational voltage		V	690
Operating current AC15			
	24V	Α	1.5
	120V	Α	1.5
	240V	Α	0.75
IEC Conventional free air thermal current Ith		Α	10
Terminals			
	Auxiliary circuit type		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	Ibin	0.74
	Auxiliary circuit max	Ibin	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	82
	at 600V	Α	82
Dimensions	2 2001	-	

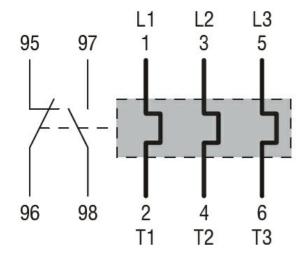




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Wiring diagrams



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