



MOTOR PROTECTION RELAY, PHASE FAILURE/SINGLE-PHASE SENSITIVE. THREE-POLE (THREE-PHASE), AUTOMATIC RESETTING. DIRECT MOUNTING ON BF40 - BF94 CONTACTORS, 60...82A



Product designation			RFA82
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	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			
	min	Hz	0
	max	Hz	400
Operational current le			
•	Operational current min	Α	60
	Operational current max	Α	82
Tripping class			10A
Test Button			yes
Trip indicator			yes
Terminals			,
- On made	type		Yoke clamp
	screw		M5
	width	mm	9
	tool		Phillips 2
Tightening torque for terminals			po <u>-</u>
rightering torque for terminals	min	Nm	3.9
	max	Nm	3.9
	min	Ibin	2.88
	max	Ibin	2.88
Conductor section	IIIax	10111	2.00
Ouridation Section	AWG/kcmil max		2
Auxiliary circuit characteristics	AVVO/KUIIII IIIdX		
Auxiliary contacts			
Auxiliary cortacts	NO	Nir	1
	NC NC	Nr.	1
Auxiliany Poted inculation voltage LISTEC/EN	INC	Nr. V	1
Auxiliary Rated insulation voltage Ui IEC/EN		V	690



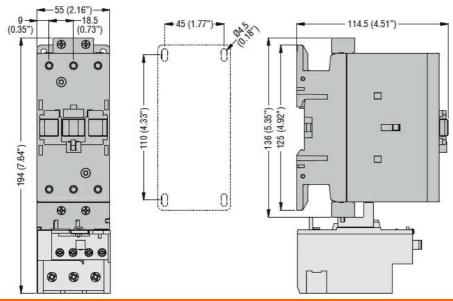


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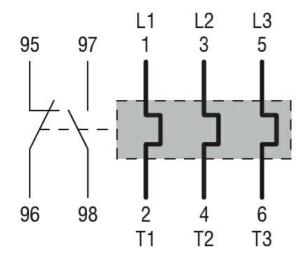
Auxiliary Rated impulse withstand voltage Uimp		kV	6
Auxiliary Rated operational voltage		V	690
Operating current AC15			
	24V	Α	1.5
	120V	Α	1.5
	240V	Α	0.75
IEC Conventional free air thermal current Ith		Α	10
Terminals			
	A. willow, pirovit to ma		screw and
	Auxiliary circuit type		washer
	Auxiliary 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			-
3 g	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	Advincty of our max	10111	C300-R300
Ambient conditions			0000 11000
Operating temperature			
operating temperature	min	°C	-20
	max	°C	55
Storage temperature	max		
Clorage temperature	min	°C	-55
	max	°C	80
Componentian temperature	Illax		80
Compensation temperature	in	°C	4.5
	min	°C	-15
N. 100 1	max	°C	55
Max altitude		m	3000
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
			Direct mounting
Fixing			on BF40
			BF94
Weight		g	365
UL technical data			
Full-load current (FLA) for three-phase AC motor			
	at 480V	Α	82
	at 600V	Α	82
Dimensions	at 000 v		02



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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