RFN826500



MOTOR PROTECTION RELAY, NON PHASE FAILURE/NON SINGLE-PHASE SENSITIVE. THREE-POLE (THREE-PHASE), MANUAL RESETTING. DIRECT MOUNTING ON BF40 - BF94 CONTACTORS, 46...65A



Product designation			RFN82
Product type designation			Motor protection relay
General characteristics			. e.e.y
Number of poles		Nr.	3
Overvoltage category			111
Pollution degree			3
Frontal IP degree			IP20
Type of release			Thermal
Protection fuse			
	gG (IEC)	А	125
	aM (IEC)	А	80
	K5 (UL)	А	200
Phase failure detection			no
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	А	46
	Operational current max	A	65
Tripping class			10A
Test Button			Yes
Trip indicator			yes
Terminals			,
	type		Yoke clamp
	screw		M5
	width	mm	9
	tool		Phillips 2
Tightening torque for terminals			· · · · · · · · · · · · · · · · · · ·
	min	Nm	3.9
	max	Nm	3.9
	min	Ibin	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
Auxiliary Nated Insulation voltage OF ILO/LIN		v	030

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



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Auxiliary Rated impulse withstand voltage Uimp		kV	6
Auxiliary Rated operational voltage		V	690
Operating current AC15			
	24V	А	3
	120V	А	3
	240V	А	1.5
	380V	A	0.95
	480V	A	0.75
	500V	A	0.72
	600V	A	0.6
Operating current DC13			
	125V	А	0.11
	600V	A	0.22
EC Conventional free air thermal current Ith		А	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			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			
	normal		Vertical plan
	allowable		±30°
			Direct mounting
Fixing			on BF40 BF94
Weight		g	365
UL technical data		3	
Full-load current (FLA) for three-phase AC motor			
······································	at 480V	А	65
		^	05

Dimensions

at 600V

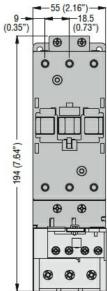
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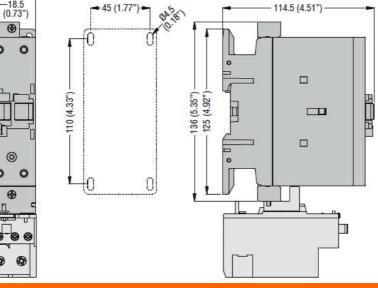
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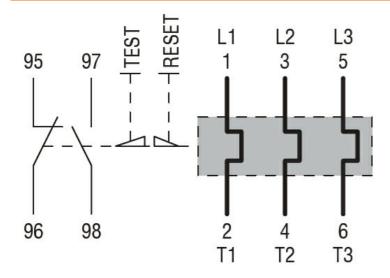


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Wiring diagrams



Certifications and compliance

Compliance				
	CSA C22.2 n° 14			
	IEC/EN 60947-1			
	IEC/EN 60947-4-1			
	UL508			
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Certifications

cULus

ETIM classification

ETIM 8.0

EC000106 -Thermal overload relay

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