11RFA910



MOTOR PROTECTION RELAY, PHASE FAILURE/SINGLE-PHASE SENSITIVE. THREE-POLE Electric (THREE-PHASE), AUTOMATIC RESETTING. DIRECT MOUNTING ON BG06, BG09, BG12 MINI-AND AUTOMATION CONTACTORS, 6...10A



Product designation			11RFA9
Product type designation			Motor protection 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)	А	32
	aM (IEC)	А	10
	RK5 (UL)	А	30
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	А	6
	Operational current max	А	10
Tripping class	· · ·		10A
Test Button			yes
Trip indicator			yes
Terminals			
			screw and
	type		washer
	screw		M4
	width	mm	9.8
	tool		Phillips 2
Tightening torque for terminals			
	min	Nm	2.3
	max	Nm	2.3
	min	Ibin	1.7
	max	lbin	1.7
Conductor section			
	AWG/kcmil max		10
Auxiliary circuit characteristics			
Auxiliary contacts			
-	NO	Nr.	1
	NC	Nr.	1



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CONTACTORS 6 10A

ENERGY AND AUTOMATION		ITACTORS, 610A
Auxiliary Rated insulation voltage Ui IEC/EN	V	690
Auxiliary Rated impulse withstand voltage Uimp	kV	6
Auxiliary Rated operational voltage	V	690
Operating current AC15		
24V	А	1.5
120V	А	1.5
240V	А	0.75
IEC 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	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	70
Compensation temperature			
	min	°C	-15
	max	°C	55
Max altitude		m	3000
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
Fixing			Direct mounting on BG06
3			BG09 BG12
Weight		g	116
UL technical data			
Full-load current (FLA) for three-phase AC motor			
	at 480V	А	10
	at 600V	А	10

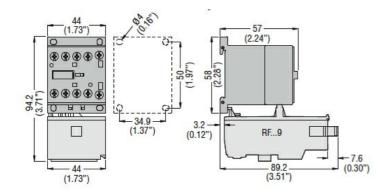
Dimensions



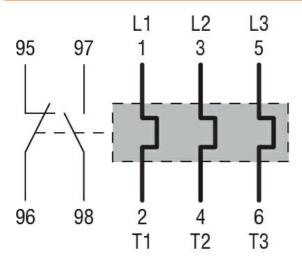


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Wiring diagrams



Certifications and compliance

Compliance	
-	CSA C22.2 n° 14
	IEC/EN 60947-1
	IEC/EN 60947-4-1
	UL508
Certifications	
	CCC
	CSA
	cULus
	EAC
ETIM classification	

ETIM 8.0

EC000106 -Thermal overload relay

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