



MOTOR PROTECTION RELAY, NON PHASE FAILURE/NON SINGLE-PHASE SENSITIVE. THREE-POLE (THREE-PHASE), AUTOMATIC RESETTING. DIRECT MOUNTING ON BG06, BG09, BG12 MINI-CONTACTORS, 0.9...1.5A

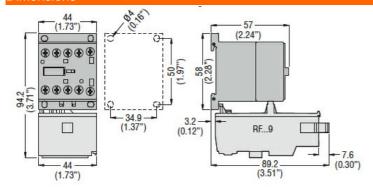


Product designation			11RFNA9
Product type designation			Motor protection relay
General characteristics			
Number of poles		Nr.	3
Overvoltage category			III
Pollution degree			3
Frontal IP degree			IP20
Type of release			Thermal
Protection fuse			_
	gG (IEC)	Α	4
	aM (IEC)	Α	2
	K5 (UL)	Α	6
Phase failure 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	0.9
	Operational current min Operational current max	A A	0.9 1.5
Tripping class	Operational current min Operational current max	A A	1.5
Tripping class Test Button	•		1.5 10A
Test Button	•		1.5 10A Yes
Test Button Trip indicator	•		1.5 10A
Test Button	•		1.5 10A Yes yes
Test Button Trip indicator	•		1.5 10A Yes yes
Test Button Trip indicator	Operational current max		1.5 10A Yes yes screw and washer
Test Button Trip indicator	Operational current max type screw	A	1.5 10A Yes yes screw and washer M4
Test Button Trip indicator	Operational current max type screw width		1.5 10A Yes yes screw and washer M4 9.8
Test Button Trip indicator Terminals	Operational current max type screw	A	1.5 10A Yes yes screw and washer M4
Test Button Trip indicator	type screw width tool	mm	1.5 10A Yes yes screw and washer M4 9.8 Phillips 2
Test Button Trip indicator Terminals	type screw width tool min	mm	1.5 10A Yes yes screw and washer M4 9.8 Phillips 2
Test Button Trip indicator Terminals	type screw width tool min max	mm Nm Nm	1.5 10A Yes yes screw and washer M4 9.8 Phillips 2 2.3 2.3
Test Button Trip indicator Terminals	type screw width tool min max min	mm Nm Nm Ibin	1.5 10A Yes yes screw and washer M4 9.8 Phillips 2 2.3 2.3 1.7
Test Button Trip indicator Terminals Tightening torque for terminals	type screw width tool min max	mm Nm Nm	1.5 10A Yes yes screw and washer M4 9.8 Phillips 2 2.3 2.3
Test Button Trip indicator Terminals	type screw width tool min max min max min max	mm Nm Nm Ibin	1.5 10A Yes yes screw and washer M4 9.8 Phillips 2 2.3 2.3 1.7 1.7
Test Button Trip indicator Terminals Tightening torque for terminals Conductor section	type screw width tool min max min	mm Nm Nm Ibin	1.5 10A Yes yes screw and washer M4 9.8 Phillips 2 2.3 2.3 1.7
Test Button Trip indicator Terminals Tightening torque for terminals Conductor section Auxiliary circuit characteristics	type screw width tool min max min max min max	mm Nm Nm Ibin	1.5 10A Yes yes screw and washer M4 9.8 Phillips 2 2.3 2.3 1.7 1.7
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	1.5 10A Yes yes screw and washer M4 9.8 Phillips 2 2.3 2.3 1.7 1.7
Test Button Trip indicator Terminals Tightening torque for terminals Conductor section Auxiliary circuit characteristics	type screw width tool min max min max min max	mm Nm Nm Ibin	1.5 10A Yes yes screw and washer M4 9.8 Phillips 2 2.3 2.3 1.7 1.7



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Auxiliary Rated insulation voltage Ui IEC/EN		V	690
Auxiliary Rated impulse withstand voltage Uimp		kV	6
Auxiliary Rated operational voltage		V	690
IEC Conventional free air thermal current Ith		Α	10
Terminals			
	Auxilian caircuit tura		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			
	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			C600-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°
			Direct mounting
Fixing			on BG06
			BG09 BG12
-			
Weight Dimensions		g	123

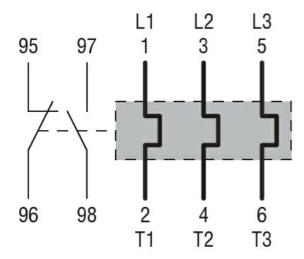


Wiring diagrams





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

CCC			
CSA			<u> </u>
cULus			<u> </u>
EAC			