



MOTOR PROTECTION RELAY, NON PHASE FAILURE/NON SINGLE-PHASE SENSITIVE. THREE-POLE (THREE-PHASE), MANUAL RESETTING. DIRECT MOUNTING ON BG06, BG09, BG12 MINI-CONTACTORS, 0.09...0.15A



Product designation			11RFN9
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	aM (IEC)	А	0.25
Phase failure detection	aivi (IEC)		
Reset mode			yes Manual
Power circuit characteristics			Ivialiual
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	8
Rated operational voltage		V	690
Operational frequency		V	090
Operational frequency	min	Hz	0
	max	Hz	400
Operational current le	IIIdX	1 12	400
Operational current le	Operational current min	Α	0.09
	Operational current max	A	0.15
Tripping class	Operational current max		10A
Test Button			Yes
Trip indicator			yes
Terminals			yco
Tommaio			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	lbin	1.7
	max	lbin	1.7
Conductor section			
	AWG/kcmil max		10
Auxiliary circuit characteristics			
Auxiliary contacts			
	NO	Nr.	1
	NC	Nr.	1
Auxiliary Rated insulation voltage Ui IEC/EN		V	690
Auxiliary Rated impulse withstand voltage Uimp		kV	6





MOTOR PROTECTION RELAY, NON PHASE FAILURE/NON SINGLE-PHASE SENSITIVE. THREE-POLE (THREE-PHASE), MANUAL RESETTING. DIRECT MOUNTING ON BG06, BG09, BG12 MINI-CONTACTORS, 0.09...0.15A

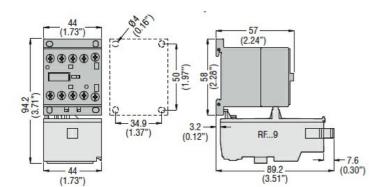
Auxiliary Rated operational voltage		V	690
Operating current AC15			
	24V	Α	3
	120V	Α	3
	240V	Α	1.5
	380V	Α	0.95
	480V	Α	0.75
	500V	Α	0.72
	600V	Α	0.6
Operating current DC13			
	125V	Α	0.11
	600V	Α	0.22
IEC Conventional free air thermal current Ith		Α	10
Terminals			
	Auxiliary circuit type		screw and
	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	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	$^{\circ}C$	70
Compensation temperature			
Compensation temperature	min	°C	-15
	min max	°C °C	55
Max altitude			
Max altitude Mechanical features		°C	55
Max altitude Mechanical features	max	°C	55 3000
Max altitude Mechanical features	max	°C	55 3000 Vertical plan
Max altitude Mechanical features	max	°C	55 3000 Vertical plan ±30°
Max altitude Mechanical features Operating position	max	°C	55 3000 Vertical plan ±30° Direct mounting
Max altitude Mechanical features Operating position	max	°C	55 3000 Vertical plan ±30° Direct mounting on BG06
Max altitude Mechanical features Operating position Fixing	max	°C m	Vertical plan ±30° Direct mounting on BG06 BG09 BG12
Max altitude Mechanical features Operating position Fixing Weight	max	°C	55 3000 Vertical plan ±30° Direct mounting on BG06
Max altitude Mechanical features Operating position Fixing Weight UL technical data	max	°C m	Vertical plan ±30° Direct mounting on BG06 BG09 BG12
Max altitude Mechanical features Operating position Fixing Weight UL technical data	normal allowable	°C m	Vertical plan ±30° Direct mounting on BG06 BG09 BG12
Compensation temperature Max altitude Mechanical features Operating position Fixing Weight UL technical data Full-load current (FLA) for three-phase AC motor	max	°C m	Vertical plan ±30° Direct mounting on BG06 BG09 BG12



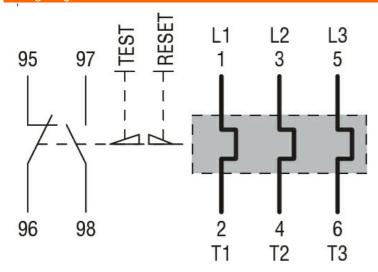


ENERGY AND AUTOMATION

MOTOR PROTECTION RELAY, NON PHASE FAILURE/NON SINGLE-PHASE SENSITIVE. THREE-POLE (THREE-PHASE), MANUAL RESETTING. DIRECT MOUNTING ON BG06, BG09, BG12 MINI-CONTACTORS, 0.09...0.15A



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