



Product designation			11RF9
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	40
	aM (IEC)	Α	16
	RK5 (UL)	Α	45
Phase failure detection	,		yes
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	Α	9
	Operational current min Operational current max	A A	9 15
Tripping class	Operational current min Operational current max	A A	15
Tripping class Test Button			15 10A
Test Button			15 10A yes
Test Button Trip indicator			15 10A
Test Button	Operational current max		15 10A yes yes
Test Button Trip indicator			15 10A yes yes screw and
Test Button Trip indicator	Operational current max		15 10A yes yes
Test Button Trip indicator	Operational current max type		15 10A yes yes screw and washer
Test Button Trip indicator	Operational current max type screw	A	15 10A yes yes screw and washer M4
Test Button Trip indicator Terminals	Operational current max type screw width	A	15 10A yes yes screw and washer M4 9.8
Test Button Trip indicator	Operational current max type screw width tool	A	15 10A yes yes screw and washer M4 9.8 Phillips 2
Test Button Trip indicator Terminals	Operational current max type screw width	mm Nm	15 10A yes yes screw and washer M4 9.8 Phillips 2
Test Button Trip indicator Terminals	Operational current max type screw width tool min max	mm Nm Nm	15 10A yes yes yes screw and washer M4 9.8 Phillips 2 2.3 2.3
Test Button Trip indicator Terminals	Operational current max type screw width tool min	mm Nm	15 10A yes yes screw and washer M4 9.8 Phillips 2
Test Button Trip indicator Terminals	Operational current max type screw width tool min max min	mm Nm Nm Ibin	15 10A yes 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	Operational current max type screw width tool min max min	mm Nm Nm Ibin	15 10A yes 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 min max	mm Nm Nm Ibin	15 10A yes 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	mm Nm Nm Ibin	15 10A yes 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	mm Nm Nm Ibin	15 10A yes 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 AWG/kcmil max	mm Nm Nm Ibin Ibin	15 10A yes yes yes screw and washer M4 9.8 Phillips 2 2.3 2.3 1.7 1.7

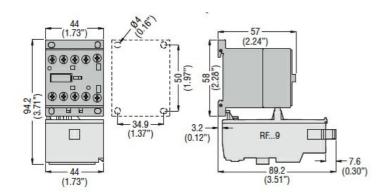


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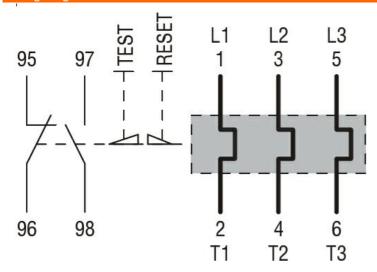
Auxiliary Rated insulation voltage Ui IEC/EN		V	690
Auxiliary Rated insulation voltage of IEC/EN Auxiliary Rated impulse withstand voltage Uimp		kV	6
Auxiliary Rated operational voltage		V	690
Operating current AC15		•	000
operating current recto	24V	Α	3
	120V	A	3
	240V	Α	1.5
	380V	Α	0.95
	480V	Α	0.75
	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			
	Auxiliany circuit typo		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			B600-P600
Ambient conditions			
Operating temperature		2.0	
	min	°C	-20
<u></u>	max	°C	55
Storage temperature		00	
	min	°C	-55 -70
Common action to man arcture	max	°C	70
Compensation temperature		°C	15
	min	°C	-15 55
Max altitude	max		3000
Mechanical features		m	3000
Operating position			
Operating position	normal		Vertical plan
	allowable		±30°
	allowable		Direct mounting
Fixing			on BG06
5			BG09 BG12
Weight		g	116
UL technical data		Ŭ	
Full-load current (FLA) for three-phase AC motor			
, ,	at 480V	Α	15
	at 600V	Α	15
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