



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	4
	aM (IEC)	Α	2
	RK5 (UL)	Α	6
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	0.9
	Operational current min Operational current max	A A	1.5
Tripping class	•		1.5 10A
Test Button	•		1.5
Test Button Trip indicator	•		1.5 10A
Test Button	•		1.5 10A yes
Test Button Trip indicator	Operational current max		1.5 10A yes yes screw and
Test Button Trip indicator	Operational current max type		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	Operational current max type screw width tool	mm	1.5 10A yes yes screw and washer M4 9.8 Phillips 2
Test Button Trip indicator Terminals	Operational current max type screw width tool min	Mm Nm	1.5 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	1.5 10A 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 Max min	mm Nm Nm Ibin	1.5 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	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	mm Nm Nm Ibin	1.5 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	Operational current max type screw width tool min Max min	mm Nm Nm Ibin	1.5 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 Conductor section Auxiliary circuit characteristics	type screw width tool min Max min max	mm Nm Nm Ibin	1.5 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 AWG/kcmil max	mm Nm Nm Ibin Ibin	1.5 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	1.5 10A yes yes yes screw and washer M4 9.8 Phillips 2 2.3 2.3 1.7 1.7

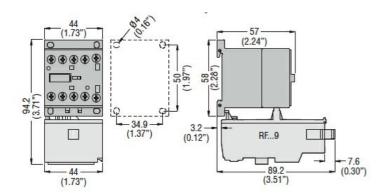


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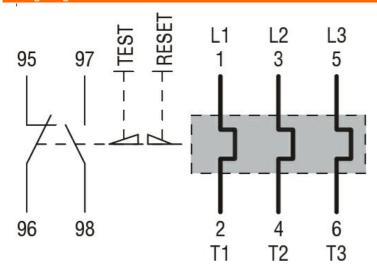
Auxiliary Rated insulation voltage Ui IEC/EN		V	690
uxiliary Rated impulse withstand voltage Uimp		kV	6
uxiliary Rated operational voltage		V	690
perating current AC15			
	24V	Α	3
	120V	Α	3
	240V	Α	1.5
	380V	Α	0.95
	480V	Α	0.75
	500V	Α	0.72
	600V	Α	0.6
perating current DC13			
	125V	Α	0.11
	600V	Α	0.22
EC Conventional free air thermal current Ith		Α	10
erminals			
	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
ightening torque for terminals	-		
	Auxiliary circuit min	Nm	1
	Auxiliary circuit max	Nm	1
	Auxiliary circuit min	Ibin	0.74
	Auxiliary circuit max	lbin	0.74
JL/CSA and IEC/EN 60947-5-1 designation			B600-P600
mbient conditions			
Operating temperature			
	min	°C	-20
	max	°C	55
torage temperature			
	min	°C	-55
	max	°C	70
ompensation temperature	max		_ · •
	min	°C	-15
	max	°C	55
Max altitude	max		3000
lechanical features		111	0000
perating position			
porating position	normal		Vertical plan
	allowable		±30°
Veight	allowable		116
veignt JL technical data		g	110
full-load current (FLA) for three-phase AC motor	-1 4001/	۸	4 5
	at 480V	A	1.5
Dimensions	at 600V	Α	1.5



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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