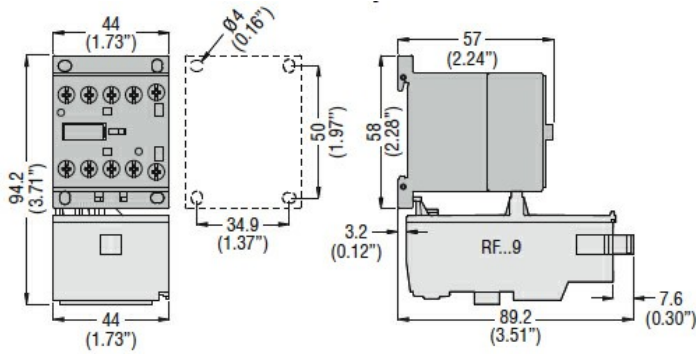


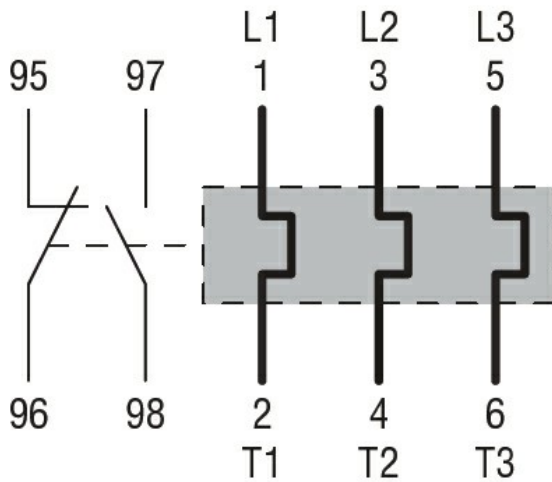


Product designation	11RFA9		
Product type designation	Motor protection relay		
<b>General characteristics</b>			
Number of poles	Nr.	3	
Overvoltage category	III		
Pollution degree	3		
Frontal IP degree	IP20		
Type of release	Thermal		
Protection fuse			
	gG (IEC)	A	20
	aM (IEC)	A	8
	RK5 (UL)	A	25
Phase failure detection	yes		
Reset mode	Automatic		
<b>Power circuit characteristics</b>			
Rated insulation voltage $U_i$ IEC/EN	V	690	
Rated impulse withstand voltage $U_{imp}$	kV	8	
Rated operational voltage	V	690	
Operational frequency			
	min	Hz	0
	max	Hz	400
Operational current $I_e$			
	Operational current min	A	4.5
	Operational current max	A	7.5
Tripping class	10A		
Test Button	Yes		
Trip indicator	yes		
Terminals			
	type	screw and 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	
<b>Auxiliary circuit characteristics</b>			
Auxiliary contacts			
	NO	Nr.	1
	NC	Nr.	1

Auxiliary Rated insulation voltage $U_i$ IEC/EN	V	690
Auxiliary Rated impulse withstand voltage $U_{imp}$	kV	6
Auxiliary Rated operational voltage	V	690
Operating current AC15	24V	A 1.5
	120V	A 1.5
	240V	A 0.75
IEC Conventional free air thermal current $I_{th}$	A	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	mm <sup>2</sup> 2.5
	Auxiliary circuit Flexible c/w lug max	mm <sup>2</sup> 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	
<b>Ambient conditions</b>		
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
<b>Mechanical features</b>		
Operating position	normal allowable	Vertical plan ±30°
	Fixing	Direct mounting on BG06... BG09... BG12...
Weight	g	116
<b>UL technical data</b>		
Full-load current (FLA) for three-phase AC motor	at 480V	A 7.5
	at 600V	A 7.5
<b>Dimensions</b>		



### 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