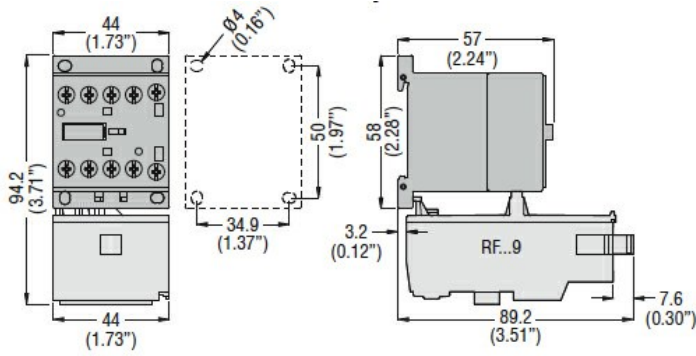


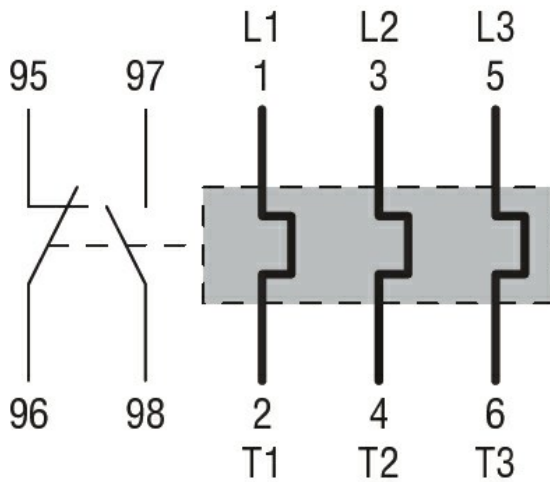


Product designation				11RFA9
Product type designation				Motor protection relay
General characteristics				
Number of poles	Nr.			3
Overvoltage category				III
Pollution degree				3
Frontal IP degree				IP20
Type of release				Thermal
Protection fuse				
	gG (IEC)	A		16
	aM (IEC)	A		6
	RK5 (UL)	A		15
Phase failure detection				yes
Reset mode				Automatic
Power circuit characteristics				
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	3	
	Operational current max	A	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
Auxiliary circuit characteristics				
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 ² 2.5
	Auxiliary circuit Flexible c/w lug max	mm ² 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	
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 allowable	Vertical plan ±30°
	Fixing	Direct mounting on BG06... BG09... BG12...
Weight	g	116
UL technical data		
Full-load current (FLA) for three-phase AC motor	at 480V	A 5
	at 600V	A 5
Dimensions		



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