



Product designation

11RFNA9

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 10
	aM (IEC)	A 4
	RK5 (UL)	A 10
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 max	Hz Hz 0 400
Operational current I_e		
	Operational current min	A 2
	Operational current max	A 3.3
Tripping class		10A
Test Button		yes
Trip indicator		yes

Terminals

type
screw
width
tool
mm
9.8
Phillips 2

Tightening torque for terminals

min Nm 2.3
max Nm 2.3
min lbin 1.7
max lbin 1.7

Conductor section

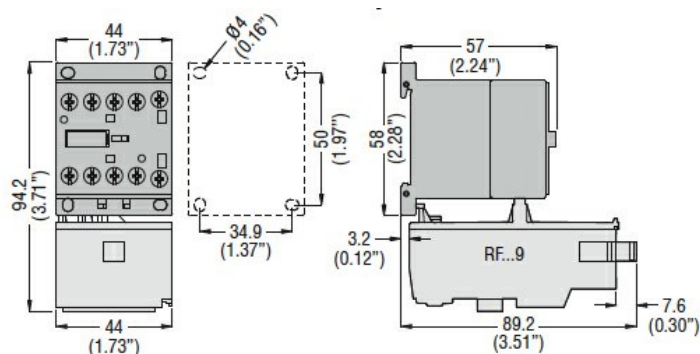
AWG/kcmil max 10

Auxiliary circuit characteristics

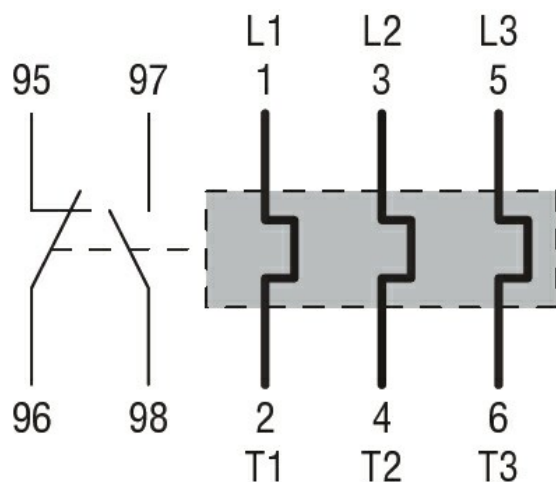
Auxiliary contacts

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	123
UL technical data		
Full-load current (FLA) for three-phase AC motor	at 480V	A 3.3
	at 600V	A 3.3
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