



### 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 4
	aM (IEC)	A 2
	RK5 (UL)	A 3
Phase failure detection		yes
Reset mode		Manual

### 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	0.6
	Operational current max	A	1

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	3
120V	A	3
240V	A	1.5
380V	A	0.95
480V	A	0.75
500V	A	0.72
600V	A	0.6

Operating current DC13

125V	A	0.11
600V	A	0.22

IEC Conventional free air thermal current  $I_{th} \leq 40^\circ\text{C}$

A	10
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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

B600-P600

**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
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**Mechanical features**

Operating position

normal allowable	Vertical plan $\pm 30^\circ$
	Direct mounting on BG06... BG09... BG12...

Fixing

Weight

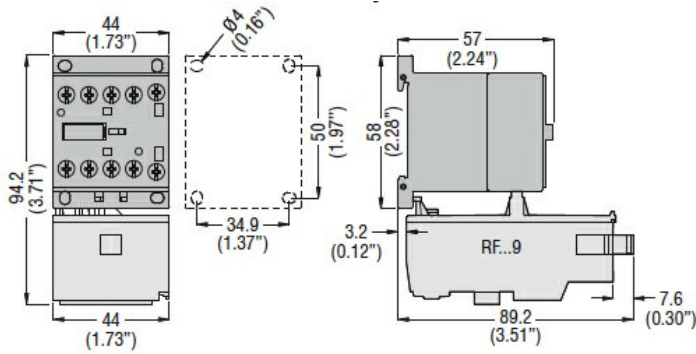
g	116
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**UL technical data**

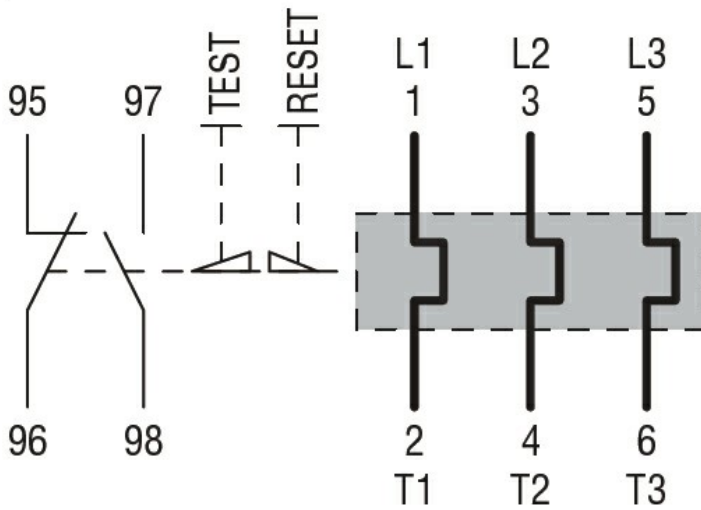
Full-load current (FLA) for three-phase AC motor

at 480V	A	1
at 600V	A	1

**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