



### 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 2
	aM (IEC)	A 1
	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 0.3
	Operational current max	A 0.5

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	Ibin 1.7
	max	Ibin 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<sub>th</sub> ≤ 40°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 ±30°
	Direct mounting on BG06... BG09... BG12...

Fixing

Weight

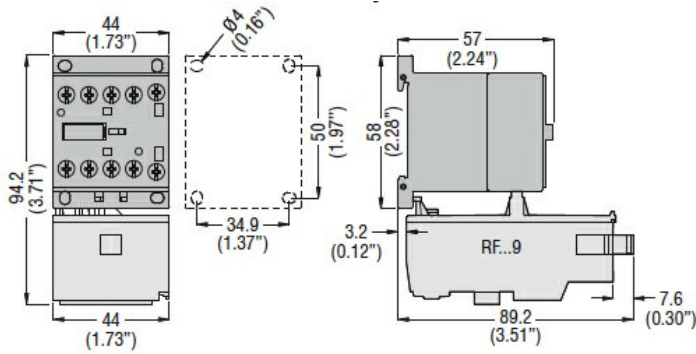
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UL technical data

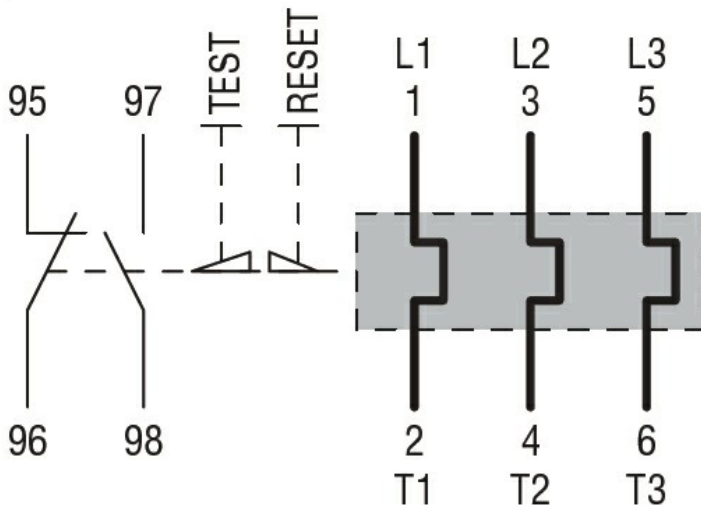
Full-load current (FLA) for three-phase AC motor

at 480V	A	0.5
at 600V	A	0.5

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