



### General characteristics

Number of poles	Nr.	3
Overvoltage category		III
Pollution degree		3
Frontal IP degree		IP20
Type of release		Thermal
Protection fuse	aM (IEC)	A 0.5
	RK5 (UL)	A 1
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	0.14
	Operational current max	A	0.23

Tripping class		10A
Test Button		Yes
Trip indicator		yes

Terminals	type		screw and washer
	screw		M4
	width	mm	9.8
	tool		Phillips 2

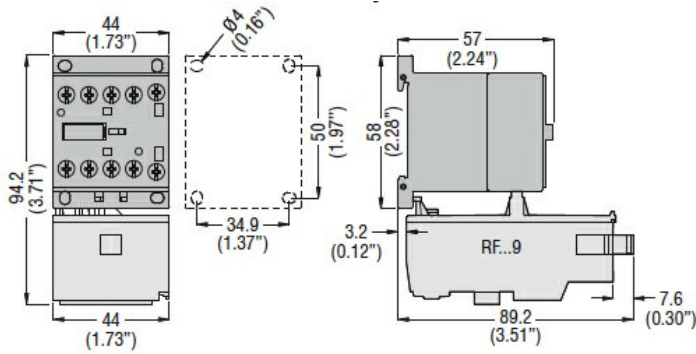
Tightening torque for terminals	min	Nm	2.3
	max	Nm	2.3
	min	lbin	1.7
	max	lbin	1.7

Conductor section	AWG/kcmil max	10
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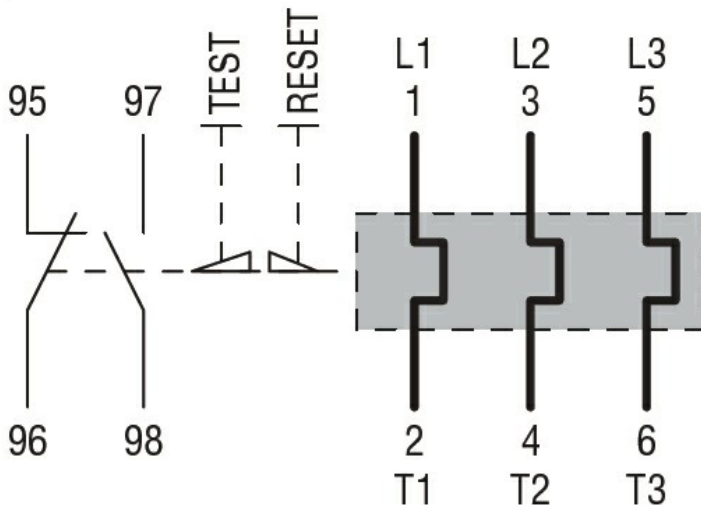
### Auxiliary circuit characteristics

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
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Operating current DC13			
	125V	A	0.11
	600V	A	0.22
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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
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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
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Tightening torque for terminals			
	Auxiliary circuit min	Nm	1
	Auxiliary circuit max	Nm	1
	Auxiliary circuit min	Ibin	0.74
	Auxiliary circuit max	Ibin	0.74
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UL/CSA and IEC/EN 60947-5-1 designation			B600-P600
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<b>Ambient conditions</b>			
Operating temperature			
	min	°C	-20
	max	°C	55
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Storage temperature			
	min	°C	-55
	max	°C	70
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Compensation temperature			
	min	°C	-15
	max	°C	55
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Max altitude		m	3000
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<b>Mechanical features</b>			
Operating position			
	normal allowable		Vertical plan ±30°
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Fixing			Direct mounting on BG06... BG09... BG12...
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Weight		g	116
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<b>UL technical data</b>			
Full-load current (FLA) for three-phase AC motor			
	at 480V	A	0.23
	at 600V	A	0.23
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<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