



General characteristics

Number of poles	Nr.	3
Overvoltage category		III
Pollution degree		3
Frontal IP degree		IP20
Type of release		Electronic thermal
Protection fuse		
	gG (IEC)	A 20
	aM (IEC)	A 10
Phase failure detection		yes
Reset mode		Manual or automatic

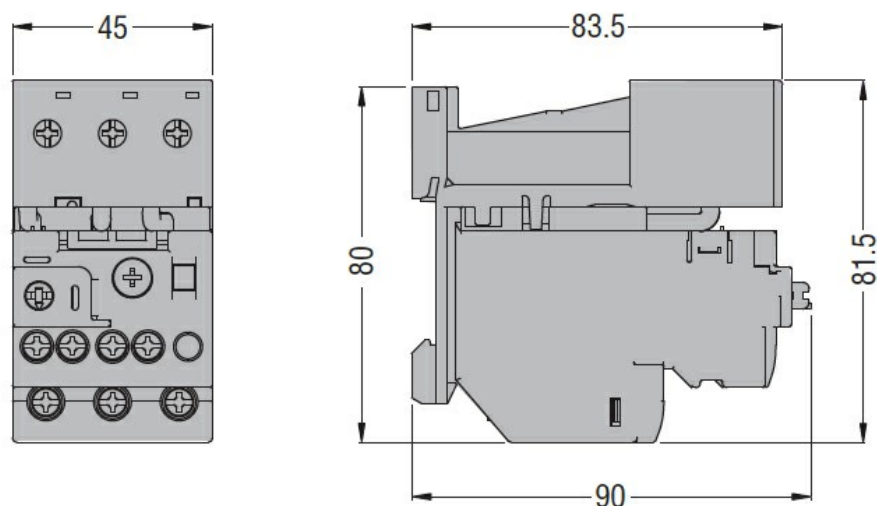
Power circuit characteristics

Rated insulation voltage U_i IEC/EN	V	1000
Rated impulse withstand voltage U_{imp}	kV	6
Rated operational voltage	V	690
Operational frequency		
	min	Hz 50
	max	Hz 60
Operational current I_e		
	Operational current min	A 1.6
	Operational current max	A 8
Tripping class		5 - 10 - 20 - 30
Test Button		Yes
Trip indicator		yes
Terminals		
	type	screw and washer
	screw	M4
	width	mm 12
	tool	Phillips 2
Tightening torque for terminals		
	min	Nm 3.1
	max	Nm 3.1
	min	lbin 2.3
	max	lbin 2.3
Conductor section		
	AWG/kcmil max	6

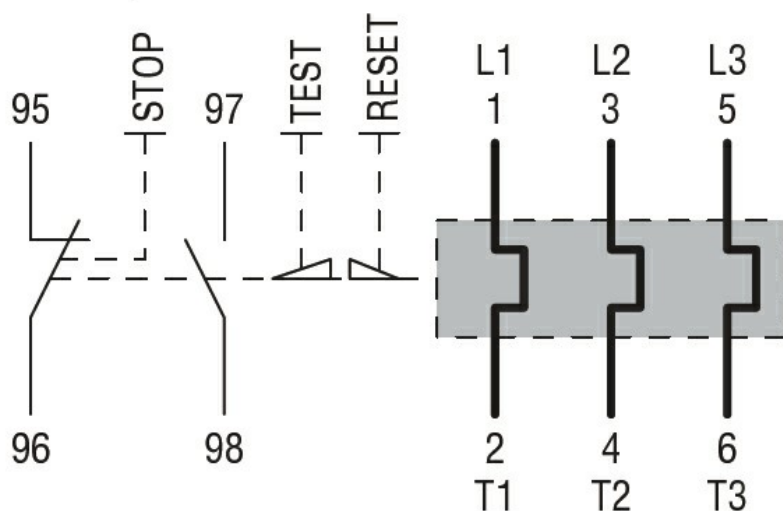
Auxiliary circuit characteristics

Auxiliary contacts			
	NO	Nr.	1
	NC	Nr.	1
Auxiliary Rated insulation voltage Ui IEC/EN		V	690
Auxiliary Rated impulse withstand voltage Uimp		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
Terminals	Auxiliary circuit type	screw and washer
	Auxiliary circuit screw	M3,5
	Auxiliary circuit width	mm 7
	Auxiliary circuit tool	Phillips 2
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 0.8
	Auxiliary circuit max	Nm 0.8
	Auxiliary circuit min	lbin 0.6
	Auxiliary circuit max	lbin 0.6
UL/CSA and IEC/EN 60947-5-1 designation		B600-R300
Ambient conditions		
Operating temperature	min	°C -25
	max	°C 70
Storage temperature	min	°C -55
	max	°C 80
Compensation temperature	min	°C -25
	max	°C 70
Max altitude	m	3000
Mechanical features		
Operating position	normal allowable	Vertical plan $\pm 30^{\circ}$
Fixing		Direct mounting on BF09... BF38...
Weight	g	195
UL technical data		
Full-load current (FLA) for three-phase AC motor	at 480V	A 8
	at 600V	A 8
Dimensions		



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1
CSA C22.2 n° 60947-4-1
IEC/EN 60947-1; IEC/EN 60947-4-1
UL 60947-1
UL 60947-4-1

Certifications

cULus

ETIM classification

ETIM 8.0

EC001080 -
Electronic
overload relay