



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 6
Phase failure detection		no
Reset mode		Manual or automatic

Power circuit characteristics

Rated insulation voltage U_i IEC/EN	V	690
Rated impulse withstand voltage U_{imp}	kV	6
Rated operational voltage	V	690
Operational frequency		
	min	Hz 0
	max	Hz 400
Operational current I_e		
	Operational current min	A 1
	Operational current max	A 1.6
Tripping class		10A
Test Button		Yes
Trip indicator		yes

Terminals

	type		screw and washer
	screw		M4
	width	mm	12.6
	tool		Phillips 2

Tightening torque for terminals

	min	Nm	2
	max	Nm	2.5
	min	Ibin	1.5
	max	Ibin	1.8

Conductor section

	AWG/kcmil max	8
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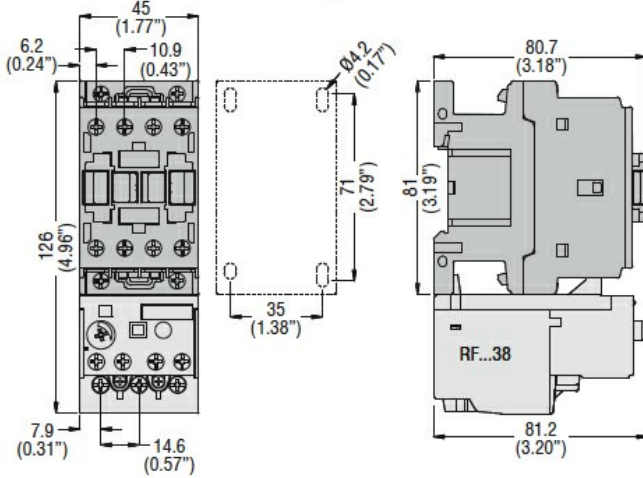
Auxiliary circuit characteristics

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	

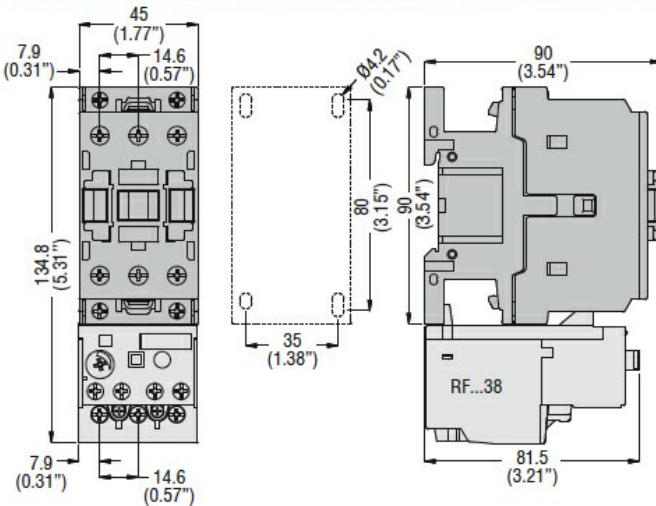
Auxiliary Rated operational voltage	V	690
Operating current AC15	24V 120V 240V 380V 480V 500V 600V	A 3 3 1.5 0.95 0.75 0.72 0.6
Operating current DC13	125V 600V	A 0.11 0.22
IEC Conventional free air thermal current I _{th} ≤ 40°C	A	10
Terminals	Auxiliary circuit type Auxiliary circuit screw Auxiliary circuit width Auxiliary circuit tool	screw and washer M3,5 8 mm Phillips 2
Conductor section	Auxiliary circuit Flexible w/o lug max Auxiliary circuit Flexible c/w lug max	mm ² 2.5 mm ² 2.5
Tightening torque for terminals	Auxiliary circuit min Auxiliary circuit max Auxiliary circuit min Auxiliary circuit max	Nm 0.8 Nm 1 lbin 0.59 lbin 0.74
UL/CSA and IEC/EN 60947-5-1 designation		B600-R300
Ambient conditions		
Operating temperature	min max	°C -25 °C 60
Storage temperature	min max	°C -50 °C 70
Compensation temperature	min max	°C -20 °C 60
Max altitude	m	3000
Mechanical features		
Operating position	normal allowable	Vertical plan ±30°
Fixing		Direct mounting on BF09... BF38...
Weight	g	160
UL technical data		
Full-load current (FLA) for three-phase AC motor	at 480V at 600V	A 1.6 A 1.6
Dimensions		

MOTOR PROTECTION RELAY, NON PHASE FAILURE/NON SINGLE-PHASE SENSITIVE.
THREE-POLE (THREE-PHASE), MANUAL OR AUTOMATIC RESETTING. DIRECT MOUNTING
ON BF09 - BF38 CONTACTORS, 1...1.6A

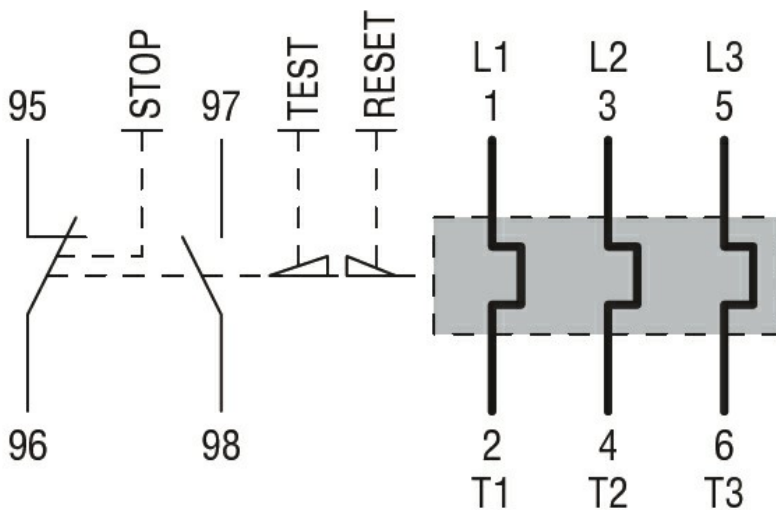
BF00 A... BF09 A... - BF12 A... - BF18 A... - BF25 A... three poles with
RF...38 thermal overload relay



BF26 00A... - BF32 00A... - BF38 00A... three poles with **RF...38** thermal overload relay



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 14

IEC/EN 60947-1

IEC/EN 60947-4-1

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THREE-POLE (THREE-PHASE), MANUAL OR AUTOMATIC RESETTING. DIRECT MOUNTING
ON BF09 - BF38 CONTACTORS, 1...1.6A

UL508

Certifications

CCC

cULus

EAC

ETIM classification

ETIM 8.0

EC000106 -
Thermal overload
relay