



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 0.25
	RK5 (UL)	A 1
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 0.1
	Operational current max	A 0.16
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	lbin 1.5
	max	lbin 1.8
Conductor section	AWG/kcmil max	8

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
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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 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	1
Auxiliary circuit min	lbin	0.59
Auxiliary circuit max	lbin	0.74

UL/CSA and IEC/EN 60947-5-1 designation

B600-R300

Ambient conditions

Operating temperature

min	°C	-25
max	°C	60

Storage temperature

min	°C	-50
max	°C	70

Compensation temperature

min	°C	-20
max	°C	60

Max altitude

m	3000
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Mechanical features

Operating position

normal allowable	Vertical plan ±30°
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Fixing

Direct mounting
on BF09...
BF38...

Weight

g	160
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UL technical data

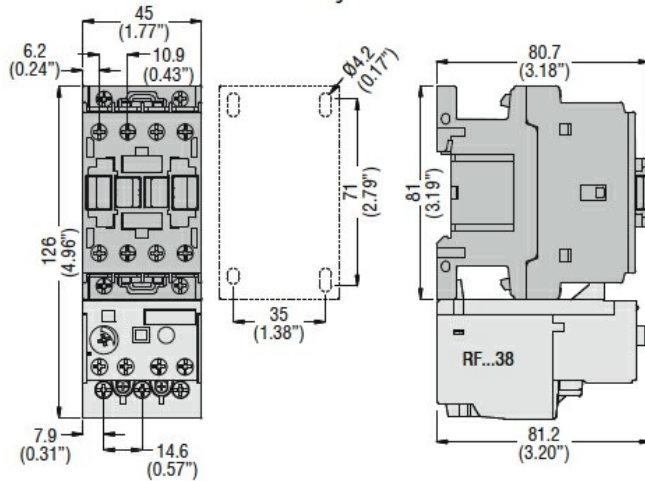
Full-load current (FLA) for three-phase AC motor

at 480V	A	0.16
at 600V	A	0.16

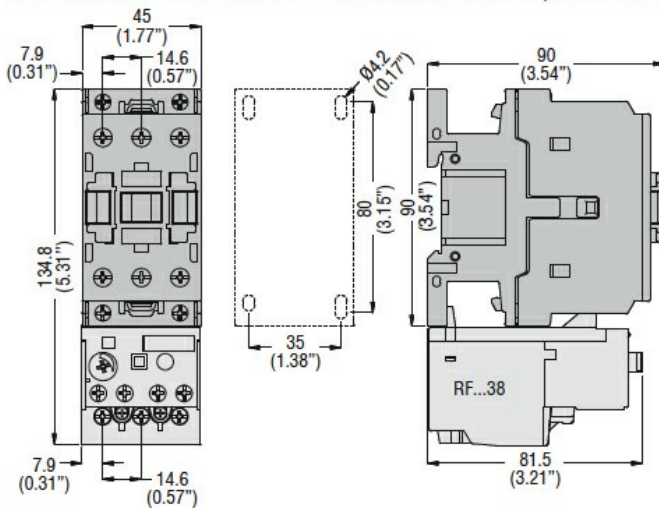
Dimensions

MOTOR PROTECTION RELAY, NON PHASE FAILURE/NON SINGLE-PHASE SENSITIVE.
THREE-POLE (THREE-PHASE), MANUAL OR AUTOMATIC RESETTING. DIRECT MOUNTING
ON BF09 - BF38 CONTACTORS, 0.10...0.16A

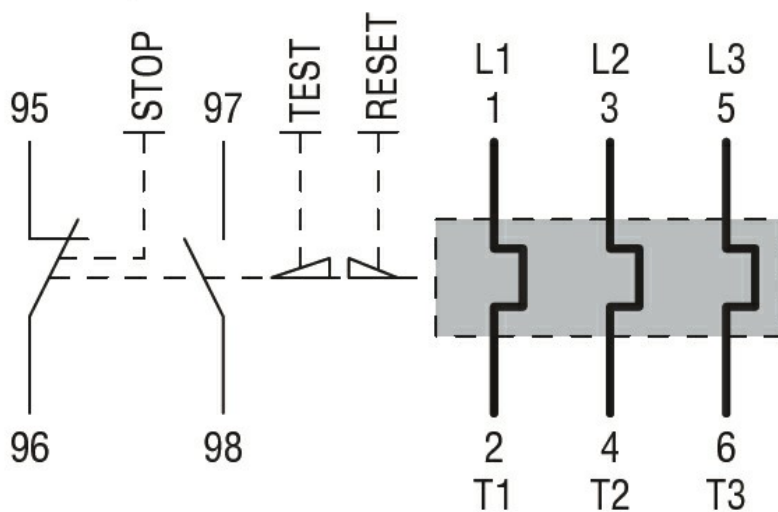
BF00 A... BF09 A... - BF12 A... - BF18 A... - BF25 A... three poles with
RF...38 thermal overload relay



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

MOTOR PROTECTION RELAY, NON PHASE FAILURE/NON SINGLE-PHASE SENSITIVE.
THREE-POLE (THREE-PHASE), MANUAL OR AUTOMATIC RESETTING. DIRECT MOUNTING
ON BF09 - BF38 CONTACTORS, 0.10...0.16A

Certifications

UL508

CCC

cULus

EAC

ETIM classification

ETIM 8.0

EC000106 -
Thermal overload
relay