



RF38
Motor protection
relay

Product designation

Product type designation

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		no
Reset mode		Manual or automatic

Power circuit characteristics

Rated insulation voltage U_i	V	690
Rated impulse withstand voltage U_{imp}	kV	6
Rated operational voltage	V	690
Operating frequency		
	Operational frequency min	Hz 0
	Operational frequency max	Hz 400
Operating current		
	Operational current min	A 0.4
	Operational current max	A 0.63
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	lbft	1.5
	max	lbft	1.8

Conductor section

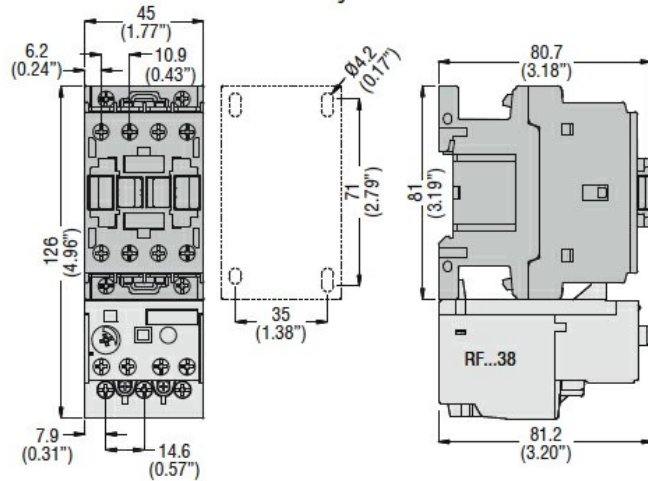
	AWG max	8
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Auxiliary circuit characteristics

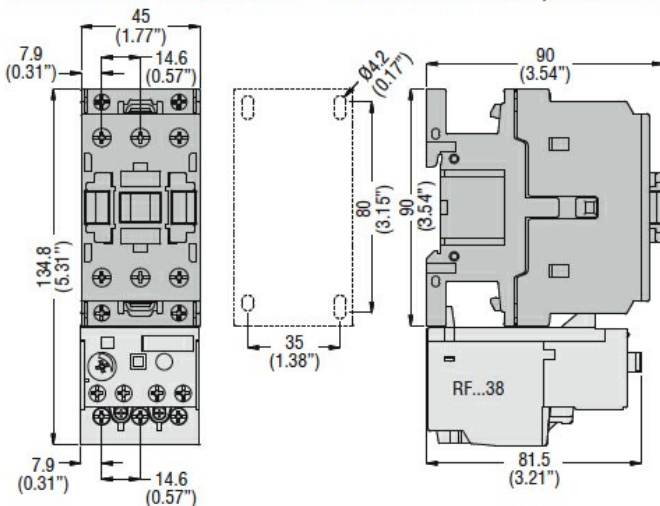
Auxiliary contacts	NO	nr.	1
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	NC	nr.	1
Rated insulation voltage U_i		V	690
Rated impulse withstand voltage U_{imp}		kV	6
Rated operational voltage		V	690
Operating current AC15	24V	A	3
	120V	A	3
	240V	A	1.5
	380V	A	0.95
	480V	A	0.75
	500V	A	0.72
	600V	A	0.6
Operating current DC13	125V	A	0.11
	600V	A	0.22
Conventional free air thermal current I_{th}		A	10
Terminals	type		Screw and washer
	screw		M3,5
	width	mm	8
	tool		Phillips 2
Conductor section	Flexible w/o lug max	mm ²	2.5
	Flexible c/w lug max	mm ²	2.5
Tightening torque for terminals	min	Nm	0.8
	max	Nm	1
	min	lbft	0.59
	max	lbft	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
Mechanical features			
Operating position	normal allowable		Vertical plan ±30°
Weight		g	160
UL technical data			
Full-load current (FLA) for three-phase AC motor	at 480V	A	0.63
	at 600V	A	0.63
Dimensions			

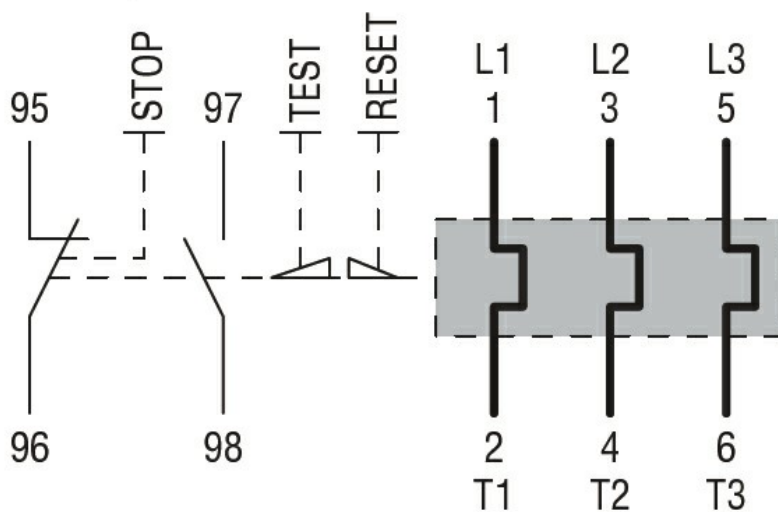
BF00 A... BF09 A... - BF12 A... - BF18 A... - BF25 A... three poles with
RF...38 thermal overload relay



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

UL508

Certifications

CCC

cULus

EAC