RF380025

MOTOR PROTECTION RELAY, PHASE FAILURE / SINGLE PHASE SENSITIVE. THREE POLE (THREE PHASE), MANUAL OR AUTOMATIC RESETTING. DIRECT MOUNTING ON BF09 - BF38 CONTACTORS, 0.16…0.25A



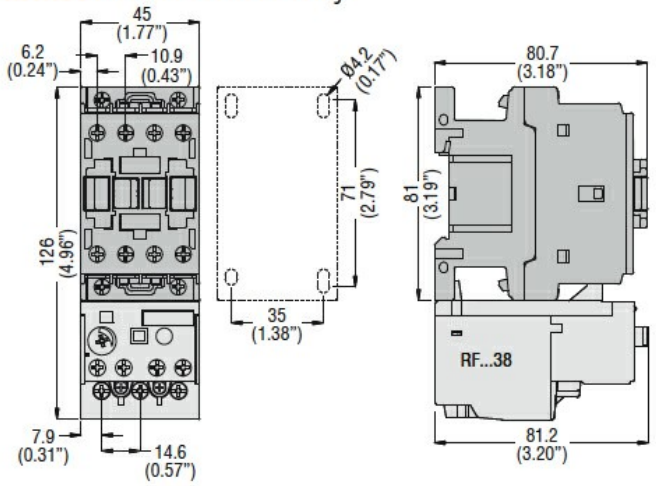
Product designation			RF38
Product type designation			Motor protection relay
General characteristics			
Number of poles		nr.	3
Overvoltage category			III
Pollution degree			3
Frontal IP degree			IP20
Type of release			Thermal
Protection fuse			
	aM (IEC)	A	0.5
	RK5 (UL)	A	1
Phase failure detection			no
Reset mode			Manual or automatic
Power circuit characteristics			
Rated insulation voltage Ui		V	690
Rated impulse withstand voltage Uimp		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	0.16
	Operational current max	A	0.25
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
Auxiliary circuit characteristics			
Auxiliary contacts			
	NO	nr.	1
	NC	nr.	1

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

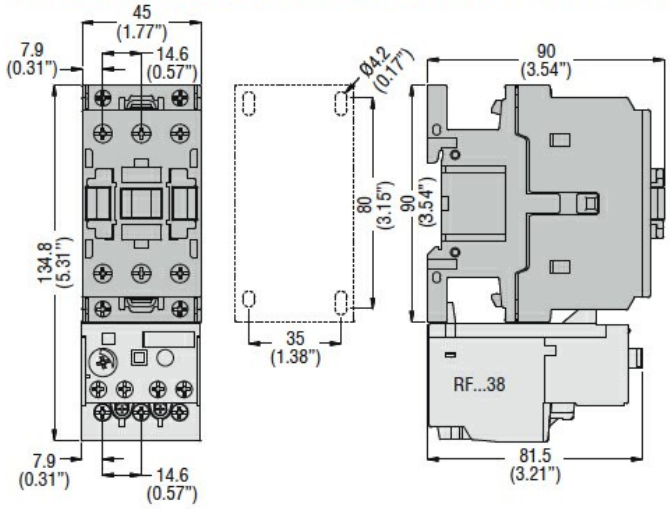
Rated insulation voltage Ui		V	690
Rated impulse withstand voltage Uimp		kV	6
Rated operational voltage		V	690
Operating current AC15			
	24V	A	3
	120V	A	3
	240V	A	1.5
	380V	A	0.95
	480V	A	0.75
	500V	A	0.72
	600V	A	0.6
Operating current DC13			
	125V	A	0.11
	600V	A	0.22
Conventional free air thermal current Ith		A	10
Terminals			
	type		Screw and washer
	screw		M3,5
	width	mm	8
	tool		Phillips 2
Conductor section			
	Flexible w/o lug max	mm²	2.5
	Flexible c/w lug max	mm²	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 feautures			
Operating position			
	normal		Vertical plan
	allowable		±30°
Weight		g	160
UL technical data			
Full-load current (FLA) for three-phase AC motor			
	at 480V	A	0.25
	at 600V	A	0.25
Dimensions			

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

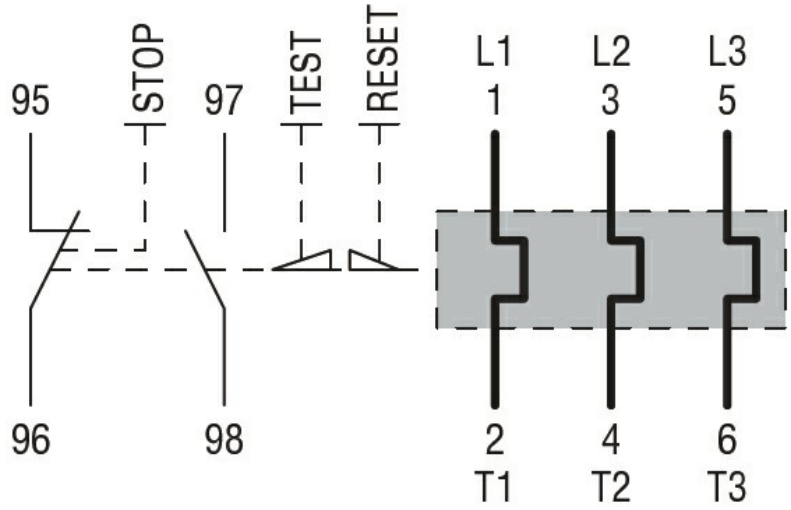
BF00 A... BF09 A... - BF12 A... - BF18 A... - BF25 A... three poles with **RF...38** thermal overload relay



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

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

	UL508
Certifications	
	CCC
	cULus
	EAC

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding