

MOTOR PROTECTION RELAY, PHASE FAILURE / SINGLE PHASE SENSITIVE. THREE POLE **electric** (THREE PHASE), MANUAL OR AUTOMATIC RESETTING. DIRECT MOUNTING ON BF09 - BF38 CONTACTORS, 13...18A

**ENERGY AND AUTOMATION** 

Product designation			RF38
Product type designation			Motor protection relay
General characteristics			Telay
Number of poles		Nr.	3
Overvoltage category			III
Pollution degree			3
Frontal IP degree			IP20
Type of release			Thermal
Protection fuse			
	gG (IEC)	Α	40
	aM (IEC)	Α	25
	RK5 (UL)	Α	70
Phase failure detection	- (- /		Yes
			Manual or
Reset mode			automatic
Power circuit characteristics			
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Rated operational voltage		V	690
Operational frequency			
	min	Hz	0
	max	Hz	400
Operational current le			
	Operational current min	Α	13
	Operational current max	Α	18
Tripping class			10A
Test Button			Yes
Trip indicator			Yes
Terminals			
	type		Screw and
			washer
	screw	<b></b>	M4
	width	mm	12.6
Tightoning targue for terminals	tool		Phillips 2
Tightening torque for terminals	min	Nimo	2
	min	Nm Nm	2
	max	Nm Ibin	2.5 1.5
	min max	lbin	1.8
Conductor section	Παλ	IDIII	1.0
Conductor Section	AWG/kcmil max		8
Auxiliary circuit characteristics	AVVO/Remii max		O O
Auxiliary contacts			
Tradition of the contract of	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			
, J	24V	Α	3
	120V	Α	3
	240V	Α	1.5

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electric (THREE PHASE)	, MANUAL OR AUTOMATIC RESETTING. DIRECT	MOUNTING ON BF09 - BF38
ENERGY AND AUTOMATION		CONTACTORS, 1318A

	380V	Α	0.95
	480V	Α	0.75
	500V	Α	0.72
	600V	Α	0.6
Operating current DC13			
	125V	Α	0.11
	600V	Α	0.22
IEC Conventional free air thermal current Ith		Α	10
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	mm²	2.5
	Auxiliary circut Flexible c/w lug max	mm²	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		00	05
	min	°C	-25
Character to the property and	max	°C	60
Storage temperature	min	°C	-50
	min max	°C	-30 70
Compensation temperature	IIIdX		70
Compensation temperature	min	°C	-20
	max	°C	60
Max altitude	IIIdA	 	3000
Mechanical features		111	3000
Operating position			
operating position	normal		Vertical plan
	allowable		±30°
Fixing			Direct mounting on BF09 - BF38
Weight		g	160
UL technical data		3	
Full-load current (FLA) for three-phase AC motor			
. , ,	at 480V	Α	18
	at 600V	Α	18
Dimensions			
Wiring diagrams			
Certifications and compliance			
-			
Compliance CSA C22.2 n° 14			
IEC/EN 60947-1			
IEC/EN 60947-1 IEC/EN 60947-4-1			
UL508			
UL300			



**ENERGY AND AUTOMATION** 

## RF381800

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Certifications			
	CCC		
	cULus		
	EAC		

ETIM classification

ETIM 8.0

EC000106 -Thermal overload relay