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Product designation			RF38
Product type designation			Motor protection relay
General characteristics			
Number of poles		Nr.	3
Overvoltage category			
Pollution degree			3
Frontal IP degree			IP20
Type of release			Thermal
Protection fuse			
	gG (IEC)	А	4
	aM (IEC)	А	2
	RK5 (UL)	Α	6
Phase failure detection			yes
Reset mode			Manual or
			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	<b>-</b>	_	
	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 Dhilling 2
Tightening torque for terminals	tool		Phillips 2
rightening torque for terminals	min	Nim	0
	min	Nm Nm	2
	max	Nm Ibin	2.5
	min max	lbin	1.5 1.8
Conductor section	IIIdX		1.0
	Eloviblo w/o lug mov	mm <sup>2</sup>	10
	Flexible w/o lug max Flexible c/w lug max	mm² mm²	10 6
	AWG/kcmil max	111111	8
Auxiliary circuit characteristics			

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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



## Auxiliary contacts

Advinary contacto			
	NO	Nr.	1
Auviliant Poted insulation voltage LILIEC/EN	NC	Nr. V	1 690
Auxiliary Rated insulation voltage Ui IEC/EN Auxiliary Rated impulse withstand voltage Uimp		kV	6
Auxiliary Rated operational voltage		V	690
Operating current AC15		v	000
operating editerit A010	24V	А	3
	120V	A	3
	240V	A	1.5
	380V	A	0.95
	480V	А	0.75
	500V	А	0.72
	600V	А	0.6
Operating current DC13			
	125V	А	0.11
	600V	А	0.22
IEC Conventional free air thermal current Ith		А	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	Ibin	0.59
III (COA and IEC/EN COO47 5.4 designation	Auxiliary circuit max	lbin	0.74
UL/CSA and IEC/EN 60947-5-1 designation Ambient conditions			B600-R300
Operating temperature			
	min	°C	-25
	max	°C	60
Storage temperature		~	
	min	°C	-50
	max	°Č	70
Compensation temperature		-	
	min	°C	-20
	max	°Č	60
Max altitude		m	3000
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
Fixing			Direct mounting on BF09
			BF38
Weight		g	160
UL technical data			

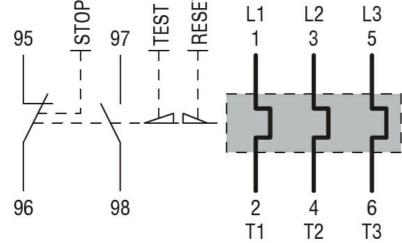
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ENERGY AND AUTOMATION

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Full-load current (FLA) for three-phase AC motor				
	at 480V	А	1.6	
	at 600V	А	1.6	
Dimensions				
BF00 A BF09 A BF12 A BF18 A BF25 A three poles with				
RF38 thermal overload relay				
$\begin{array}{c} 6.2 \\ (0.24^{+}) \\ (0.43$				
BF26 00A BF32 00A BF38 00A three poles with RF38 thermal of	verload relav			
7.9 0.57   0.31 0.57   0.31 0.57   0.31 0.57   0.31 0.57   0.31 0.57   Wiring diagrams				



## Certifications and compliance

RF380160



## Compliance

	CSA C22.2 n° 14	
	IEC/EN 60947-1	
	IEC/EN 60947-4-1	
	UL508	
Certifications		
	CCC	
	cULus	
	EAC	
ETIM classification		
		EC000106

ETIM 8.0

EC000106 -Thermal overload relay