

Product designation				RF200
Product type designation				Motor protection relay
<b>General characteristics</b>				
Number of poles		Nr.	3	
Overvoltage category				III
Pollution degree				3
Frontal IP degree				IP20
Type of release				Thermal
Protection fuse				
	gG (IEC)	A	160	
	aM (IEC)	A	100	
	K5 (UL)	A	500	
Phase failure detection				No
Reset mode				Manual or automatic
<b>Power circuit characteristics</b>				
Rated insulation voltage $U_i$ IEC/EN		V	1000	
Rated impulse withstand voltage $U_{imp}$		kV	6	
Rated operational voltage		V	690	
Operational frequency				
		min	Hz	50
		max	Hz	60
Operational current $I_e$				
	Operational current min	A	60	
	Operational current max	A	100	
Tripping class				10A
Test Button				Yes
Trip indicator				Yes
Terminals				
		type	screw and flat washer	
		screw	M8	
		width	mm	20
		tool	Bar 13mm	
Tightening torque for terminals				
		min	Nm	18
		max	Nm	18
		min	lbin	13.3
		max	lbin	13.3
<b>Auxiliary circuit characteristics</b>				
Auxiliary contacts				
	NO	Nr.	1	
	NC	Nr.	1	
Auxiliary Rated insulation voltage $U_i$ IEC/EN		V	690	
Auxiliary Rated impulse withstand voltage $U_{imp}$		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 <sub>th</sub>		A	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	mm <sup>2</sup>	2.5
	Auxiliary circuit Flexible c/w lug max	mm <sup>2</sup>	2.5
Tightening torque for terminals			
	Auxiliary circuit min	Nm	0.8
	Auxiliary circuit max	Nm	1
	Auxiliary circuit min	I <sub>bin</sub>	0.59
	Auxiliary circuit max	I <sub>bin</sub>	0.74
UL/CSA and IEC/EN 60947-5-1 designation			B600-R300
<b>Ambient conditions</b>			
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
<b>Mechanical features</b>			
Operating position			
	normal allowable		Vertical plan ±30°
Fixing			Screw
Weight		g	2150
<b>UL technical data</b>			
Full-load current (FLA) for three-phase AC motor			
	at 480V	A	100
	at 600V	A	100
<b>Dimensions</b>			
<b>Wiring diagrams</b>			
<b>Certifications and compliance</b>			
Compliance			
	CSA C22.2 n° 14		
	IEC/EN 60947-1		
	IEC/EN 60947-4-1		
	UL508		
Certifications			
	cULus		
	EAC		

ETIM classification

ETIM 8.0

EC000106 -  
Thermal overload  
relay