

Product designation				RF110
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	200	
	aM (IEC)	A	100	
	K5 (UL)	A	350	
Phase failure detection				Yes
Reset mode				Manual
<b>Power circuit characteristics</b>				
Rated insulation voltage $U_i$ IEC/EN		V	690	
Rated impulse withstand voltage $U_{imp}$		kV	8	
Rated operational voltage		V	690	
Operational frequency				
		min	Hz	0
		max	Hz	400
Operational current $I_e$				
		Operational current min	A	70
		Operational current max	A	95
Tripping class				10A
Test Button				Yes
Trip indicator				Yes
Terminals				
		type	Yoke clamp	
		screw	M5	
		width	mm	9
		tool	Phillips 2	
Tightening torque for terminals				
		min	Nm	3.9
		max	Nm	3.9
		min	lbin	2.88
		max	lbin	2.88
Conductor section				
		AWG/kcmil max	2	
<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	1.5
		120V	A	1.5
		240V	A	0.75
		500V	A	0.72
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 1

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	1
	Auxiliary circuit max	Nm	1
	Auxiliary circuit min	lbin	0.74
	Auxiliary circuit max	lbin	0.74

UL/CSA and IEC/EN 60947-5-1 designation

B600-P600

Ambient conditions

Operating temperature

min	°C	-20
max	°C	55

Storage temperature

min	°C	-55
max	°C	80

Compensation temperature

min	°C	-15
max	°C	55

Max altitude

m 3000

Mechanical features

Operating position

normal allowable	Vertical plan ±30°
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Weight

g 365

UL technical data

Full-load current (FLA) for three-phase AC motor

at 480V	A	95
at 600V	A	95

Dimensions

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

ETIM classification

ETIM 8.0

EC000106 -  
Thermal overload  
relay