

Motor protection relay, phase failure/single-phase sensitive. Three-pole (three-phase), manual or automatic resetting, 250...420A



Product designation			RF420
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			
	gG (IEC)	Α	630
	aM (IEC)	Α	500
	K5 (UL)	Α	800
Phase failure detection			No
Decet made			Manual or
Reset mode			automatic
Power circuit characteristics			
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	6
Rated operational voltage		V	690
Operational frequency			
	min	Hz	50
	max	Hz	60
Operational current le			
	Operational current min	Α	250
	Operational current max	Α	420
Tripping class			10A
Test Button			Yes
Trip indicator			Yes
Terminals			
	type		screw and flat
			washer
	SCIEW		M10
	width tool	mm	25 Bar 18mm
Tightening torque for terminals	1001		Dai Tollilli
rightening torque for terminals	min	Nlm	35
	min	Nm Nm	35 35
	max	Nm	25.9
	min	lbin Ibin	25.9 25.9
Auxiliary circuit characteristics	max	וווטוו	۷۵.3
Auxiliary circuit characteristics Auxiliary contacts			
Auxiliary corracts	NO	Nle	1
		Nr.	1
Auxilians Pated insulation voltage LE IFC/FM	NC	Nr. V	1
Auxiliary Rated insulation voltage Ui IEC/EN		V	690

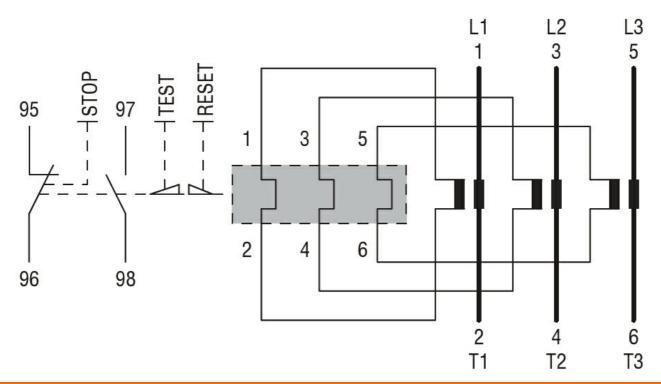
ENERGY AND AUTOMATION

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Auxiliary Rated impulse withstand voltage Uimp		kV	6
Auxiliary Rated operational voltage		V	690
Operating current AC15			
	24V	Α	3
	120V	Α	3
	240V	Α	1.5
	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
EC Conventional free air thermal current Ith		Α	10
Terminals			-
			Screw and
	Auxiliary circuit type		washer
	Auxiliary circuit screw		M3,5
	Auxiliary circuit width	mm	8
	Auxiliary circuit tool		Phillips 2
Conductor section	razinary oroan tool		· ·····po 2
55.133561 5561611	Auxiliary circuit Flexible w/o lug max	mm²	2.5
	Auxiliary circuit Flexible w/o lug max Auxiliary circuit Flexible c/w lug max	mm²	2.5
ightening torque for terminals	Auxiliary circuit i lexible c/w lug max	111111	2.5
ignitening torque for terminals	A !!	Nina	0.0
	Auxiliary circuit min	Nm	0.8
	Auxiliary circuit max	Nm	1
	Auxiliary circuit min	lbin	0.59
U /000 UE0/EN 00047 F 4 L : : :	Auxiliary circuit max	Ibin	0.74
JL/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 features			
Operating position			
	normal		Vertical plan
	allowable		±30°
ixing	anomable		Screw
Weight			2460
JL technical data		g	2400
Full-load current (FLA) for three-phase AC motor	-1.4001/	^	400
	at 480V	A	420
	at 600V	Α	420
Dimensions			
Wiring diagrams			

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Certifications and compliance

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