



MOTOR PROTECTION RELAY, NON PHASE FAILURE/NON SINGLE-PHASE SENSITIVE. THREE-POLE (THREE-PHASE), MANUAL OR AUTOMATIC RESETTING, 180...300A



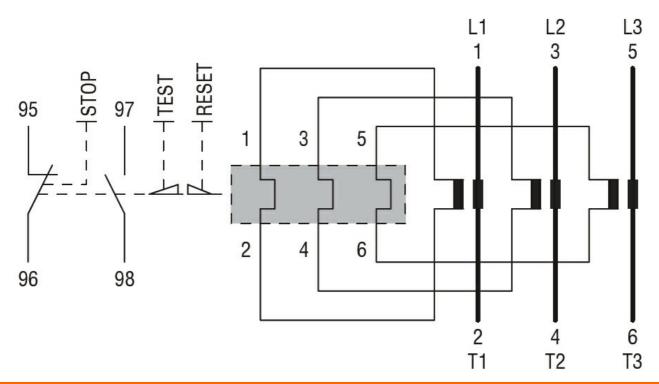
Product designation			RFN420
Product type designation			Motor protection relay
General characteristics			
Number of poles		Nr.	3
Overvoltage category			III
Pollution degree			3
Frontal IP degree			IP20
Type of release			Thermal
Protection fuse			
	gG (IEC)	Α	500
	aM (IEC)	Α	315
	K5 (UL)	Α	800
Phase failure detection			no
Reset mode			Manual or
			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		V	090
Operational frequency	min	Hz	50
	min max	⊓∠ Hz	60
Operational current le	IIIdA	1 12	
Operational current le	Operational current min	Α	180
	Operational current max	A	300
Tripping class	Operational current max		10A
Test Button			yes
Trip indicator			yes
Terminals			yes
Terrimais	type		screw and flat
	.,,,,		washer
	screw		M10
	width	mm	25
	tool		Bar 18mm
Tightening torque for terminals			
	min	Nm	35
	max	Nm	35
	min	lbin 	25.9
A company of the first control testing	max	Ibin	25.9
Auxiliary circuit characteristics			
Auxiliary contacts			
	NO	Nr.	1
A 11 B . L. L	NC	Nr.	1
Auxiliary Rated insulation voltage Ui IEC/EN		V	690



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	kV	6
	V	690
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
125V	Α	0.11
600V	Α	0.22
	Α	10
		screw and
Auxiliary circuit type		washer
Auxiliary circuit screw		M3,5
	mm	8
		Phillips 2
Auxiliary circuit Flexible w/o lug max	mm²	2.5
•		2.5
Additional of the contract of		2.0
Auxiliany circuit min	Nlm	0.8
		1
		0.59
		0.59
Auxiliary circuit max	IDIII	B600-R300
		D000-R300
	°C	0.5
		-25
max	- 'C	60
	0.0	50
		-50
max	°C	70
min		-20
max	°C_	60
	m	3000
normal		Vertical plan
allowable		±30°
		Screw
	g	2460
at 480V	Α	300
at 480V at 600V	A A	300 300
at 480V at 600V	A A	300 300
	120V 240V 380V 480V 500V 600V 125V 600V Auxiliary circuit type Auxiliary circuit screw Auxiliary circuit width Auxiliary circuit tool Auxiliary circuit Flexible w/o lug max Auxiliary circuit min Auxiliary circuit min Auxiliary circuit min Auxiliary circuit max Auxiliary circuit max Auxiliary circuit max Auxiliary circuit max Auxiliary circuit max Auxiliary circuit max Auxiliary circuit max Auxiliary circuit max Auxiliary circuit max Auxiliary circuit max Auxiliary circuit max Auxiliary circuit max	120V A 240V A 380V A 480V A 500V A 600V A 600V A 125V A 600V A 600V A A Auxiliary circuit type Auxiliary circuit screw Auxiliary circuit width Auxiliary circuit tool Auxiliary circuit titool Auxiliary circuit min Auxiliary circuit max Auxiliary circuit max Auxiliary circuit max C min C max C min C max C max C max C min normal allowable

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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