



MOTOR PROTECTION RELAY, NON PHASE FAILURE/NON SINGLE-PHASE SENSITIVE. THREE-POLE (THREE-PHASE), MANUAL OR AUTOMATIC RESETTING, 150...250A



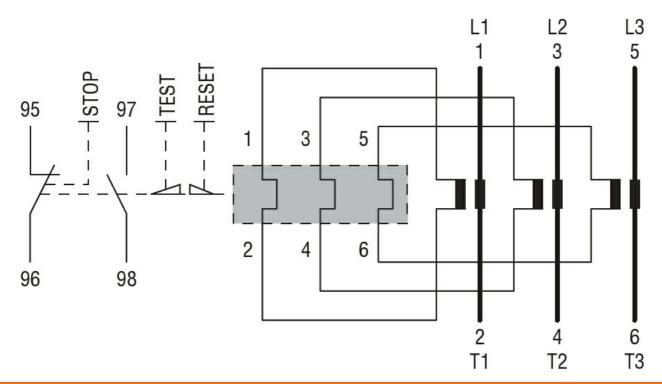
Product designation			RFN420
Product type designation			Motor protection relay
General characteristics			
Number of poles		Nr.	3
Overvoltage category			111
Pollution degree			3
Frontal IP degree			IP20
Type of release			Thermal
Protection fuse			
	gG (IEC)	Α	400
	aM (IEC)	Α	250
	K5 (UL)	Α	800
Phase failure 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			
	min	Hz	50
	max	Hz	60
Operational current le			
	Operational current min	Α	150
	Operational current max	Α	250
Tripping class			10A
Test Button			yes
Trip indicator			yes
Terminals			
	type		screw and flat washer
	screw		M10
	width	mm	25
	tool		Bar 18mm
Tightening torque for terminals			
	min	Nm	35
	max	Nm	35
	min	Ibin	25.9
	max	Ibin	25.9
Auxiliary circuit characteristics			
Auxiliary contacts			
	NO	Nr.	1
	NC	Nr.	1
Auxiliary Rated insulation voltage Ui IEC/EN		V	690



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Auxiliary Rated impulse withstand voltage Uimp		kV	6
uxiliary 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
erminals			
	A 111		screw and
	Auxiliary circuit type		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
Fightening torque for terminals	results of the second of the s		
ightermig terque for terminale	Auxiliary circuit min	Nm	0.8
	Auxiliary circuit max	Nm	1
	Auxiliary circuit min	Ibin	0.59
	Auxiliary circuit max	Ibin	0.74
JL/CSA and IEC/EN 60947-5-1 designation	raxillary choale max	10111	B600-R300
Ambient conditions			B000 11000
Operating temperature			
Sperating temperature	min	°C	-25
	max	°C	60
Storage temperature	IIIdA		00
Storage temperature	min	°C	-50
	min may	°C	-50 70
Componentian temperature	max	C	70
Compensation temperature		°C	20
	min	°C	-20
Aoy altituda	max	°C	60
Max altitude		m	3000
Mechanical features			
Operating position	_		
	normal		Vertical plan
	allowable		±30°
Fixing			Screw
Veight		g	2460
JL technical data			
Full-load current (FLA) for three-phase AC motor			
	at 480V	Α	250
	at 600V	Α	250
	at 000 v	, ,	200
Dimensions	at 000 v	, ,	200

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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