

RFN420300 MOTOR PROTECTION RELAY, NON PHASE FAILURE/NON SINGLE-PHASE SENSITIVE. THREE-POLE (THREE-PHASE), MANUAL OR AUTOMATIC RESETTING, 180...300A



		1.00	
Product designation			RFN420
Product type designation			Motor protection
			relay
General characteristics		Nla	2
Number of poles		Nr.	3
Overvoltage category			3
Pollution degree			
Frontal IP degree			
Type of release Protection fuse			Thermal
Protection fuse		٨	500
	gG (IEC)	A	500
	aM (IEC)	A	315
Phase failure detection	K5 (UL)	A	800
Phase failure detection			no Monuel er
Reset mode			Manual or automatic
Power circuit characteristics			automatic
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		FO
	min	Hz Hz	50 60
Operational current le	max	ΠZ	00
Operational current le	Operational ourrant min	٨	180
	Operational current min Operational current max	A	300
	Operational current max	A	10A
Tripping class Test Button			
			yes
Trip indicator			yes
Terminals			a arow and flat
	type		screw and flat washer
	corow.		M10
	screw width	mm	25
	tool		Bar 18mm
Tightening torque for terminals			Dai Tollilli
	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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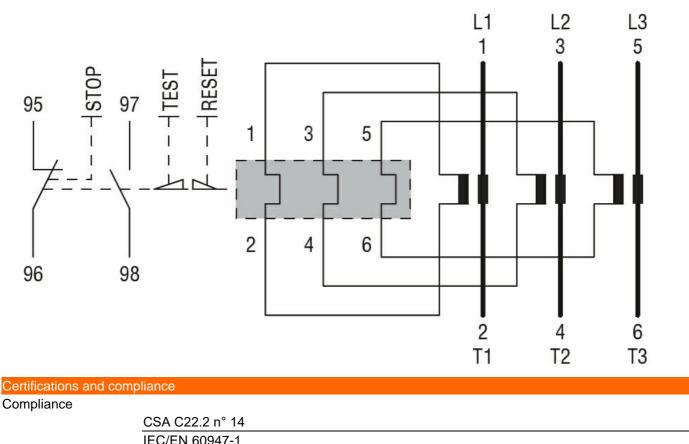
Auxiliary Rated impulse withstand voltage Uimp		kV	6
Auxiliary Rated operational voltage		V	690
Operating current AC15			
	24V	А	3
	120V	Α	3
	240V	Α	1.5
	380V	А	0.95
	480V	А	0.75
	500V	А	0.72
	600V	А	0.6
Operating current DC13			
	125V	А	0.11
	600V	А	0.22
EC Conventional free air thermal current Ith		А	10
Ferminals			
	Auviliant aircuit tura		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			
	Auxiliary circuit min	Nm	0.8
	Auxiliary circuit max	Nm	1
	Auxiliary circuit min	lbin	0.59
	Auxiliary circuit max	lbin	0.74
UL/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	°Č	70
Compensation temperature			
. ,	min	°C	-20
	max	°C	60
Max altitude		m	3000
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
Fixing			Screw
Weight		g	2460
JL technical data		Э	2700
Full-load current (FLA) for three-phase AC motor			
	at 480V	А	300
	at 600V	A	300
	ai 000V	А	300
Dimensions [mm (in)]			

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	IEC/EN 60947-1	
	IEC/EN 60947-4-1	
	UL508	
Certifications		
	cULus	
	EAC	
ETIM classification		
		EC000106

ETIM 8.0

EC000106 -Thermal overload relay