



Product designation	Motor protection relay		
Product type designation	RF420		
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)	A	400 A
	aM (IEC)	A	250 A
	K5 (UL)	A	800 A
Phase failure detection	NO		
Reset mode	Manual or automatic		
Power circuit characteristics			
Operating frequency	Operational frequency max	Hz	60 1/s
Operating current	Operational current min	A	150 A
	Operational current max	A	250 A
Tripping class	10A		
Test Button	YES		
Trip indicator	YES		
Terminals	type	screw and flat washer	
	screw	M10	
	tool	Bar 18mm	
Auxiliary circuit characteristics			
Auxiliary contacts	NO	nr.	1
	NC	nr.	1
Operating current AC15	24V	A	3 A
	120V	A	3 A
	240V	A	1.5 A
	380V	A	0.95 A
	480V	A	0.75 A
	500V	A	0.72 A
	600V	A	0.6 A
Operating current DC13	125V	A	0.11 A
	600V	A	0.22 A

Conventional free air thermal current I _{th}	A	10 A
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Terminals

type	Screw and washer
screw	M3,5
tool	Phillips 2

UL/CSA and IEC/EN 60947-5-1 designation	B600-R300
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Ambient conditions

Max altitude	m	3000
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Mechanical features

Operating position

normal allowable	Vertical plan ±30°
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Weight	g	2.460 kg
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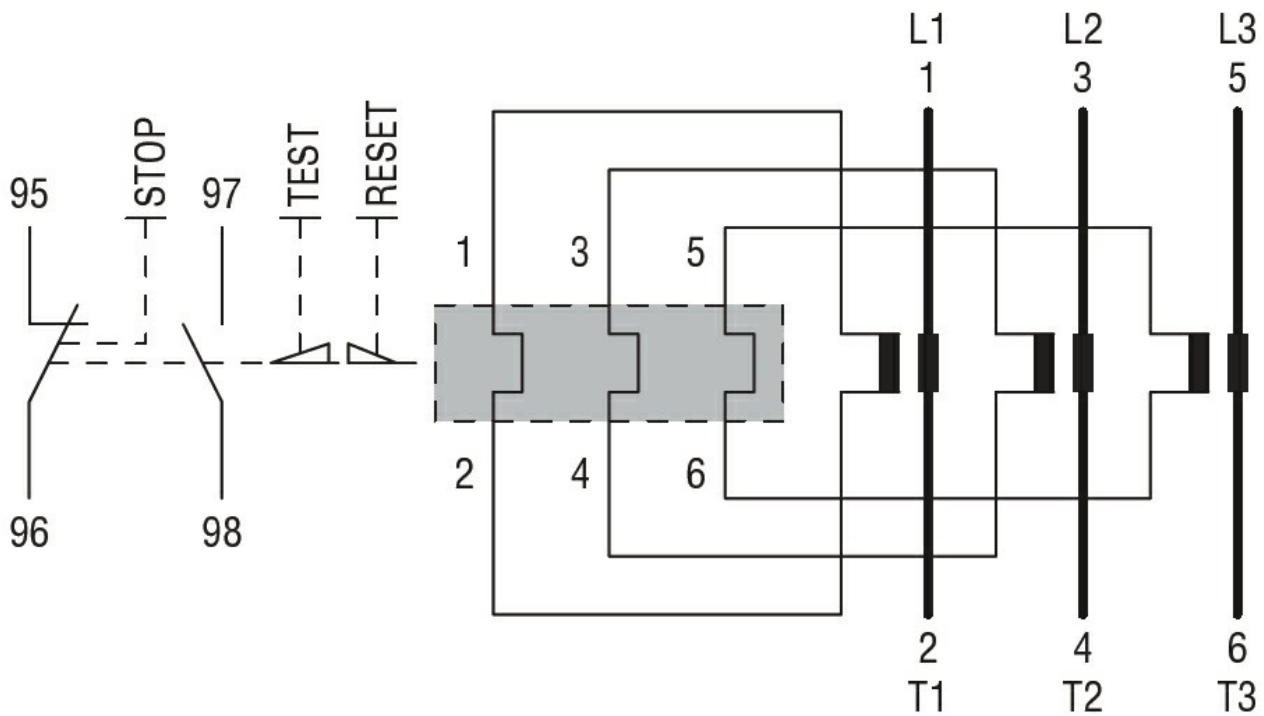
UL technical data

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

at 480V	A	250 A
at 600V	A	250 A

Dimensions

Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 14
IEC/EN 60947-1
IEC/EN 60947-4-1
UL508

Certifications

cULus
EAC