



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 630 A
	aM (IEC)	A 500 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	250 A
	Operational current max	A	420 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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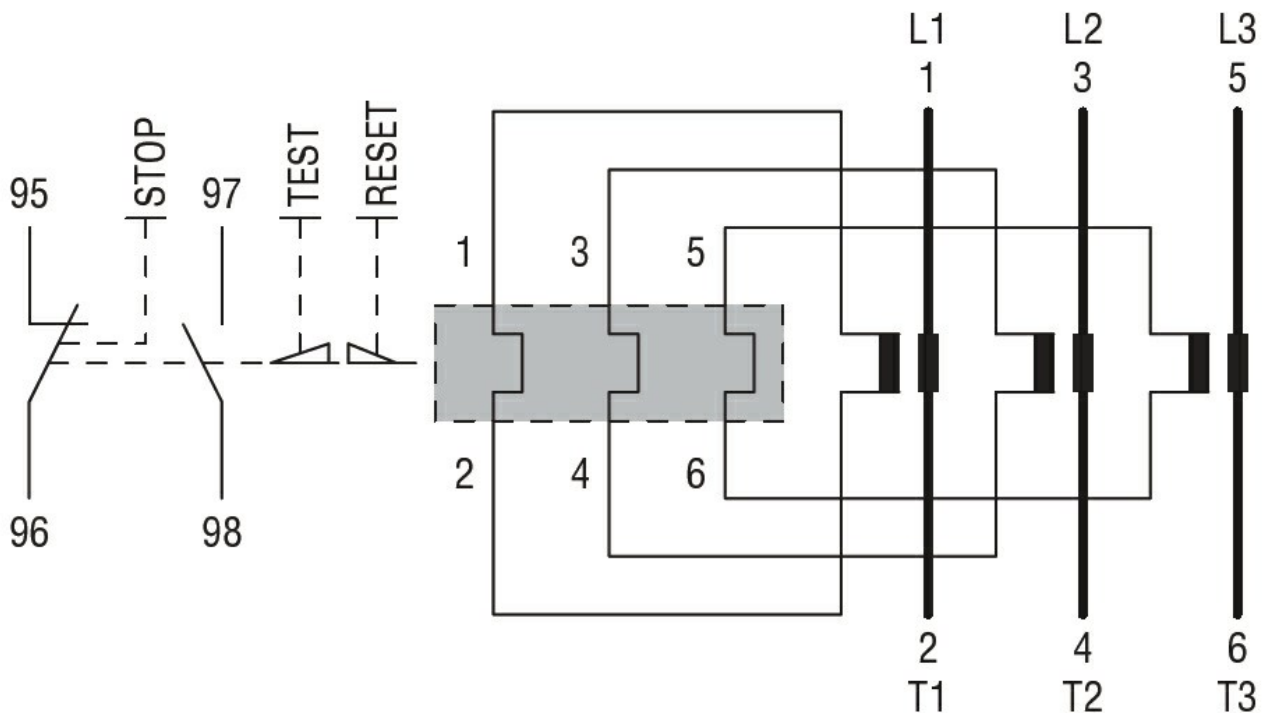
UL technical data

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

at 480V	A	420 A
at 600V	A	420 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