



Motor protection
relay
RF82

Product designation

Product type designation

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 100 A
	aM (IEC)	A 50 A
	K5 (UL)	A 175 A
Phase failure detection		YES
Reset mode		Manual

Power circuit characteristics

Operating frequency			
	Operational frequency max	Hz	400 1/s
Operating current			
	Operational current min	A	35 A
	Operational current max	A	50 A
Tripping class			10A
Test Button			YES
Trip indicator			YES
Terminals			
	type		Yoke clamp
	screw		M5
	tool		Phillips 2
Conductor section			
	AWG max		2

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 1

UL/CSA and IEC/EN 60947-5-1 designation	B600-P600
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Ambient conditions

Max altitude	m	3000
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Mechanical features

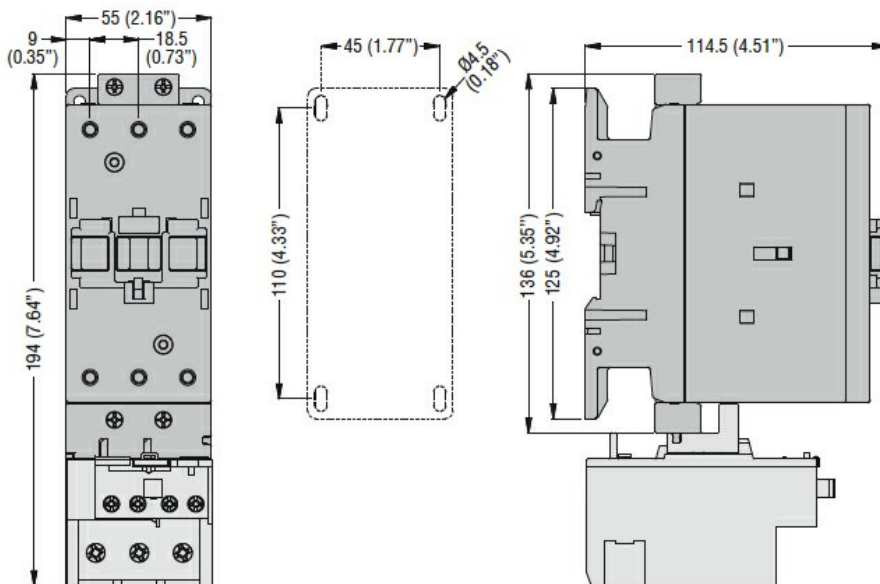
Operating position	normal allowable	Vertical plan ±30°
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Weight	g	0.365 kg
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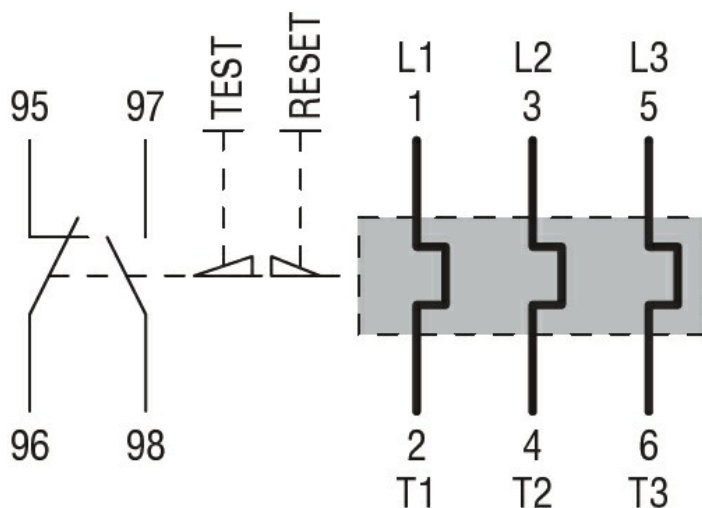
UL technical data

Full-load current (FLA) for three-phase AC motor	at 480V	A	50 A
	at 600V	A	50 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