



Product designation				Motor protection circuit breaker
Product type designation	on			SM1P
Electrical features				
Number of poles			Nr.	3
Magnetic protection				yes
Thermal protection				yes
Phase failure detection	1			yes
Rated insulation voltage Ui IEC/EN			V	690
Rated impulse withstand voltage Uimp			kV	6
Rated frequency			Hz	50/60
Thermal trip adjustmen	Thermal trip adjustment range			3040
Rated current (In)			А	40
Magnetic tripping				13 x ln
Total power dissipation			W	6.12
Operational short-circu	it current breaking capacity (Ics) at AC			
		230V	kA	20
		400V	kA	5
		440V	kA	5
		500V	kA	5
		690V	kA	2
Maximum short-circuit	current breaking capacity (Icu) at AC			
		230V	kA	20
		400V	kA	10
		440V	kA	10
		500V	kA	10
		690V	kA	2
Tripping class				10A
IEC Utilization category	/			А
Operations				
Mechanical life			cycles	100000
Electrical life			cycles	100000
Mechanical features				
Tightening torque for te	erminals			
		min	Nm	2.5
		max	Nm	3
		min	lbin	22
		max	lbin	26.5
Max number of wires simultaneously connectable			Nr.	2
Conductor section				
	AWG/Kcmil			
		min		16
		max		8
	Flexible w/o lug conductor section			
		min	mm²	1



MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 10KA AT 400V, 30...40A

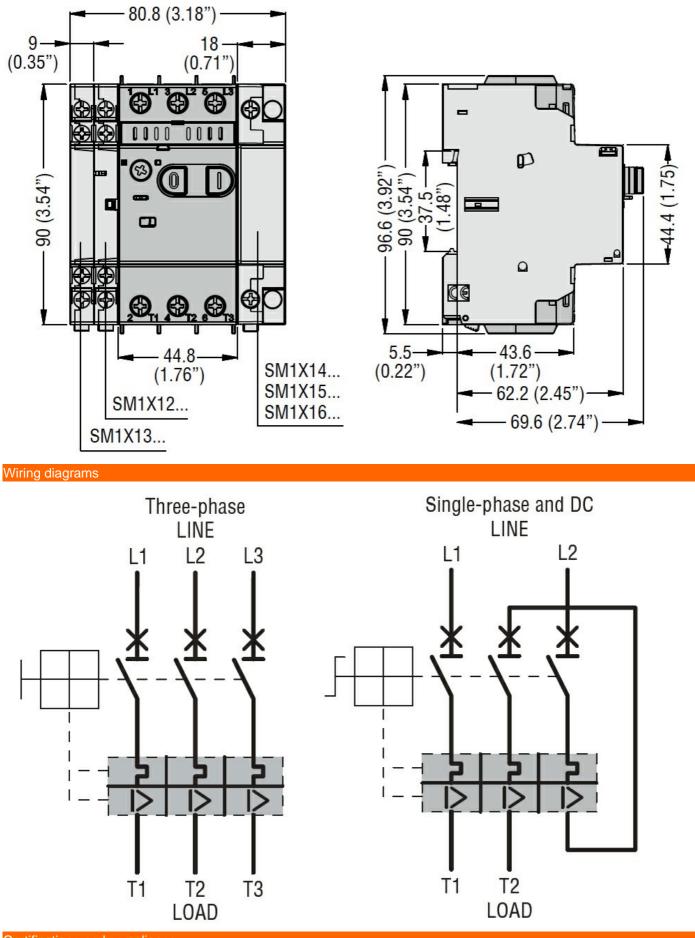
SM1P4000

ENERGY AND AUTOMATION				
	Flexible c/w lug conductor section			
		min	mm²	1
	Flexible with insulated spade lug conductor section	min	mm²	1
Screwdriver				PH2
Power terminal protect	ction according to IEC/EN 60529			IP20
Cable stripping lenght	t			
Ambient conditions		main circuit	mm	1
emperature				
omporatoro	Operating temperature			
		min	°C	-20
		max	°Č	+60
	Storage temperature			
		min	°C	-50
		max	°Č	+80
	Compensation temperature		-	
		min	°C	-20
		max	°Č	+50
Max altitude			m	3000
Operating position				
51		normal		Vertical plan
		allowable		Any
Fixing				Screw / DIN ra 35mm
Weight			g	350
JL technical data			9	000
Aotor Disconnect				
		at 240V	kA	5
		at 480V	kA	5
		protection		Fuse or CB
Group Motor Installati	on			
	-	at 240V	kA	5
		at 480V	kA	5
		protection	10.1	Fuse or CB
ap Conductor Protect	ction	F		
		at 480Y/277V	kA	50
		at 600Y/347V	kA	50
JL508 / UL 60947-4-	1 Manual Self Protected Combination Motor Controller (			
		at 240V	kA	50
	:	at 480Y/277V	kA	50
		at 600Y/347V	kA	50
Aaximum UL/CSA ho	rsepower ratings single-phase			
		110V-120V	HP	3
		220V-240V	HP	7.5
Maximum III /CSA ho	orsepower ratings three-phase, 3-pole		. 11	
		200V-208V	HP	10
		200V-208V 220V-240V	HP	10
		440V-480V	HP	30
Dimensions		440v-480V	пР	30
mensions				

SM1P4000



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Certifications and compliance

SM1P4000

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



## Certifications

	CSA C22.2 n° 14	
	IEC/EN 60947-1	
	IEC/EN 60947-2	
	IEC/EN 60947-4-1	
	UL508	
Compliance		
	cULus	
	EAC	
ETIM classification		
		FC000074 -

ETIM 8.0

EC000074 -Motor protection circuit-breaker