



Product designation				Motor protection circuit breaker
Product type designation			SM1P	
Electrical features				
Number of poles			Nr.	3
Magnetic protection				yes
Thermal protection				yes
Phase failure detection				yes
Rated insulation voltage		V	690	
Rated impulse withstan		kV	6	
Rated frequency				50/60
Thermal trip adjustment	t range			0.631
Rated current (In)			А	1
Magnetic tripping				13 x In
Total power dissipation			W	2.14
	t current breaking capacity (Ics) at AC			
		230V	kA	100
		400V	kA	100
		440V	kA	100
		500V	kA	100
		690V	kA	100
Maximum short-circuit of	current breaking capacity (Icu) at AC			
		230V	kA	100
		400V	kA	100
		440V	kA	100
		500V	kA	100
		690V	kA	100
Tripping class				10A
IEC Utilization category				А
Operations				
Mechanical life			cycles	100000
Electrical life			cycles	100000
Mechanical features				
Tightening torque for te	rminals			
		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



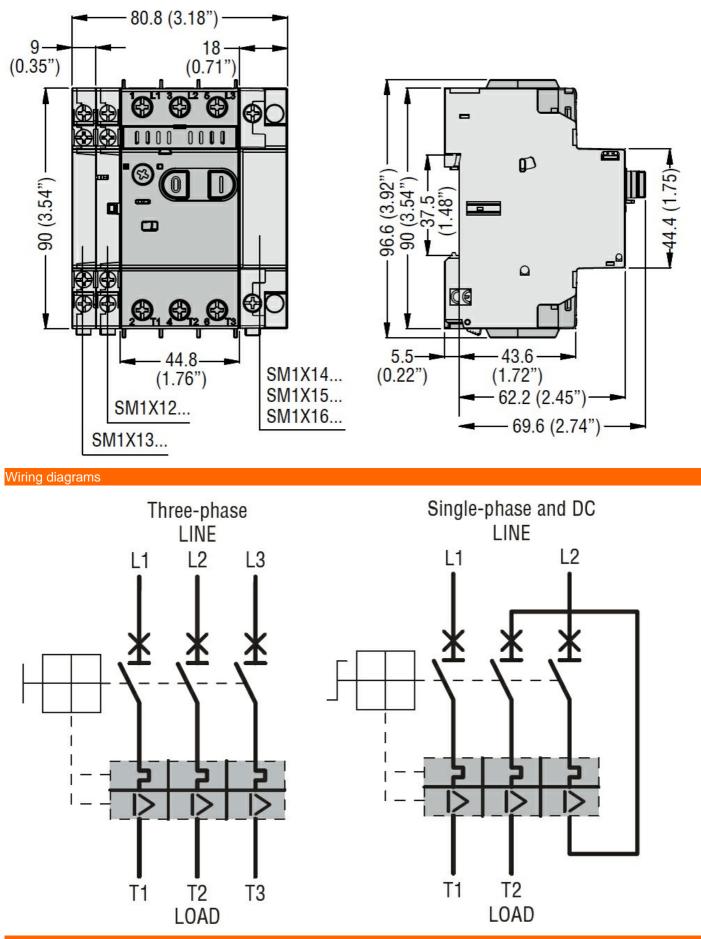
MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 100KA AT 400V, 0.63...1A

SM1P0100

ENERGY AND AUTOMATION				0.631
	Flexible c/w lug conductor section			
		min	mm²	1
	Flexible with insulated spade lug conductor section	min	mm²	1
Screwdriver		min	11111	1 PH2
	tion according to IEC/EN 60529			IP20
Cable stripping lenght	-			11 20
5 5 5		main circuit	mm	1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-20
		max	°C	+60
	Storage temperature			
		min	°C	-50
		max	°C	+80
	Compensation temperature			
		min	°C	-20
		max	°C	+50
Max altitude			m	3000
Operating position				
		normal		Vertical plan
		allowable		Any
Fixing				Screw / DIN rail 35mm
Weight			g	280
UL technical data				
Motor Disconnect				
		at 240V	kA	50
		at 480V	kA	50
		at 600V	kA	50
		protection		Fuse or CB
Group Motor Installation	on			
		at 240V	kA	50
		at 480V	kA	50
		at 600V	kA	50
	· · · · · · · · · · · · · · · · · · ·	protection		Fuse or CB
Tap Conductor Protec				50
		at 480Y/277V	kA kA	50 50
		at 600Y/347V	kA	50
UL508 / UL 60947-4-1	I Manual Self Protected Combination Motor Controller (
		at 240V	kA	50 50
		at 480Y/277V	kA kA	50 50
Maximum LIL /CCA has	rsepower ratings single-phase	at 600Y/347V	kA	50
waximum UL/CSA NOI	เวอยองพอเ เลแเบร อแบบย-ยาเลอย	1101/ 1201/	Цр	_
		110V-120V 220V-240V	HP HP	-
Maximum III /CCA hav	rsepower ratings three-phase, 3-pole	2208-2408		-
viaximum ul/USA NO	isepower raings intee-priase, s-pole	2001/ 2001/	ЦР	
		200V-208V	HP	-
		2201/ 2401/		_
		220V-240V	HР нр	- 1/2
		220V-240V 440V-480V 550V-600V	HP HP HP	- 1/2 1/2



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Certifications and compliance

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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



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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		
		EC000074 -

ETIM 8.0

EC000074 -Motor protection circuit-breaker