



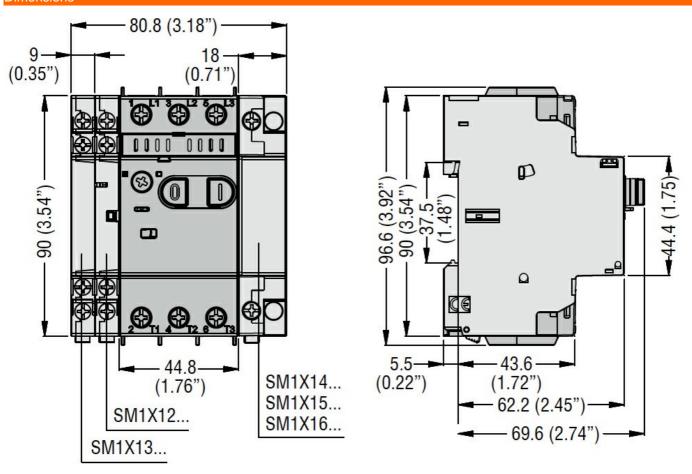
Product designation			Motor protection circuit breaker SM1P
Product type designation Electrical features			SIVITP
Number of poles		Nr.	3
Magnetic protection			yes
Thermal protection			yes
Phase failure detection			yes
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Rated frequency		Hz	50/60
Thermal trip adjustment range			0.631
Rated current (In)		Α	1
Magnetic tripping			13 x ln
Power dissipation per pole			
	min	W	0.85
	max	W	2.14
Operational short-circuit current breaking capacity (Ics) at AC			
3, (,	230V	kA	100
	400V	kA	100
	440V	kA	100
	500V	kA	100
	690V	kA	100
Maximum short-circuit 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			A
Operations			
Mechanical life		cycles	100000
Electrical life		cycles	100000
Mechanical features			
Tightening torque for terminals			
	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



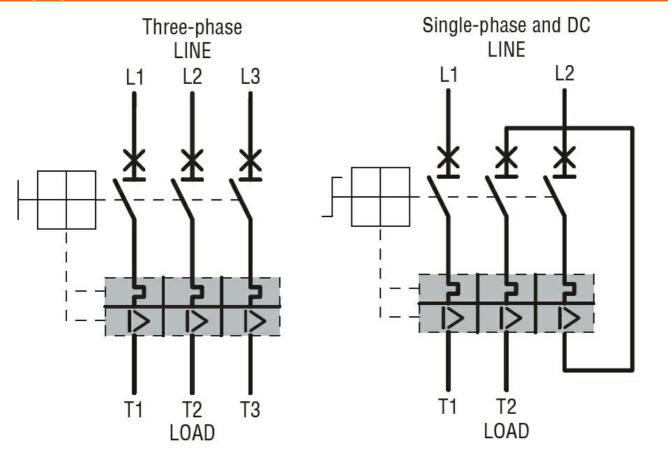
	<u> </u>			
	Flexible w/o lug conductor section			4
		min	mm²	1
	Clavible also live and distance stick	max	mm²	10
	Flexible c/w lug conductor section	min	mm²	1
		max	mm²	10
	Flexible with insulated spade lug conductor section		111111	10
	r lexible with insulated space rug conductor section	min	mm²	1
		max	mm²	10
Screwdriver				PH2
-	etion according to IEC/EN 60529			IP20 on front
Cable stripping lenght				
		main circuit	mm	12
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 UL technical data			g	280
Motor Disconnect				
MOTOL DISCOMMENT		at 240V	kA	50
		at 480V	kA	50
		at 600V	kA	50
		protection	10 (Fuse or CB
Group Motor Installation	on	p. 510011011		
		at 240V	kA	50
		at 480V	kA	50
		at 600V	kA	50
		protection		Fuse or CB
Tap Conductor Protect	tion			
		at 480Y/277V	kA	50
		at 600Y/347V	kA	50
Maximum UL/CSA hor	rsepower ratings single-phase			
		110V-120V	HP	-
		220V-240V	HP	-
Maximum UL/CSA ho	rsepower ratings three-phase, 3-pole			
		200V-208V	HP	-
		220V-240V	HP	-
		440V-480V	HP	1/2
		550V-600V	HP	1/2



Dimensions



Wiring diagrams





circuit-breaker





ENERGY AND AUTOMATION

Certifications and compliance					
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		Motor protection			