



Product designation			Motor protection circuit breaker
Product type designation			SM1P
Electrical features  Number of poles		Nle	3
•		Nr.	
Magnetic protection Thermal protection			yes
Phase failure detection			yes
		V	yes
Rated insulation voltage Ui IEC/EN			690
Rated impulse withstand voltage Uimp		kV	6
Rated frequency		Hz	50/60
Thermal trip adjustment range			11.6
Rated current (In)		Α	1.6
Magnetic tripping			13 x ln
Power dissipation per pole	_		
	min	W	0.90
	max	W	2.30
Operational short-circuit current breaking capacity (Ics) at AC			
	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	Ibin	22
	max	lbin	26.5
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	min		16
	max		8

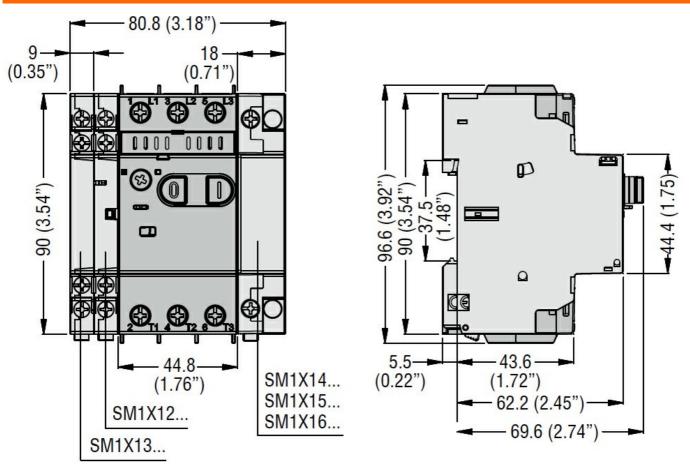


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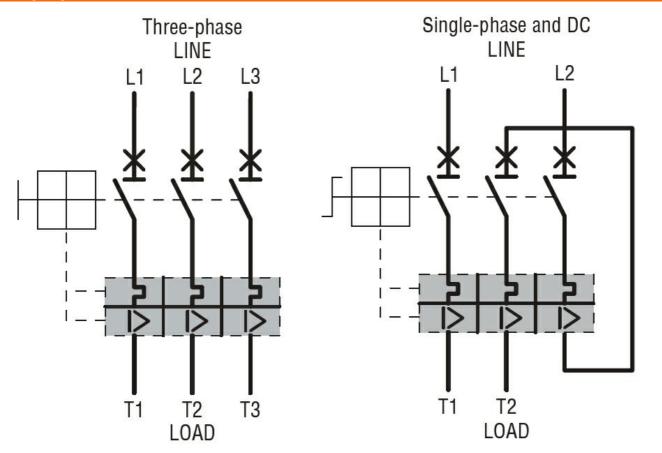
	Flexible w/o lug conductor section			
		min	mm²	1
		max	mm²	10
	Flexible c/w lug conductor section			
		min	mm²	1
		max	mm²	10
	Flexible with insulated spade lug conductor	section		
		min	mm²	1
		max	mm²	10
Screwdriver				PH2
Power terminal protect	tion according to IEC/EN 60529			IP20 on front
Cable stripping lenght				
,, ,		main circuit	mm	12
Ambient conditions				
Temperature				
	Operating temperature			
	operaning temperature	min	°C	-20
		max	°C	+60
	Storage temperature	THOX		
	C.C. ago tomporataro	min	°C	-50
		max	°C	+80
	Compensation temperature	IIIax		+00
	Compensation temperature	min	°C	-20
			°C	+50
Max altitude		max		3000
			m	3000
Operating position				Mantiagladan
		normal		Vertical plan
		allowable		Any
Fixing				Screw / DIN rail
VM = : = l= t				35mm
Weight			g	280
UL technical data				
Motor Disconnect		. 0.4017		
		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 Protect	tion			
		at 480Y/277V	kA	50
		at 600Y/347V	kA	50
Maximum UL/CSA hor	sepower ratings single-phase			
		110V-120V	HP	-
		220V-240V	HP	1/10
Maximum UL/CSA hor	sepower ratings three-phase, 3-pole			·
		200V-208V	HP	-
		220V-240V	HP	-
		440V-480V	HP	3/4
		550V-600V	HP	1



## **Dimensions**



## Wiring diagrams





Motor protection circuit-breaker





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Certifications and cor	npliance	
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 -