



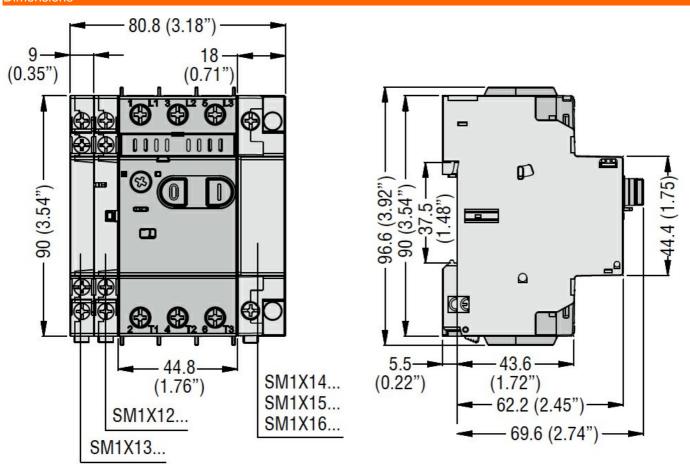
Product designation			Motor protection circuit breaker
Product type designation			SM1P
Electrical features			
Number of poles		Nr.	3
Magnetic protection			yes
Thermal protection			yes
Phase failure detection			yes
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Rated frequency		Hz	50/60
Thermal trip adjustment range			1.62.5
Rated current (In)		Α	2.5
Magnetic tripping			13 x ln
Power dissipation per pole			
	min	W	0.67
	max	W	1.63
Operational short-circuit current breaking capacity (Ics) at AC			
	230V	kA	100
	400V	kA	100
	440V	kA	100
	500V	kA	100
	690V	kA	3
Maximum short-circuit current breaking capacity (Icu) at AC			
	230V	kA	100
	400V	kA	100
	440V	kA	100
	500V	kA	100
	690V	kA	3
Tripping class			10A
IEC Utilization category			Α
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
<del></del>	max	Ibin	26.5
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			40
	min		16
	max		8



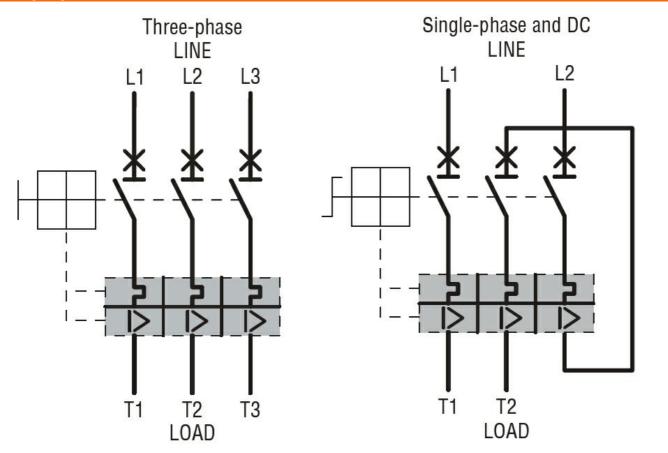
	Fig. 2.1. In the control of the control of			
	Flexible w/o lug conductor section		2	4
		min	mm²	1
	Electrical designation of the	max	mm²	10
	Flexible c/w lug conductor section			4
		min	mm²	1
	E. 31. 30. Lat. 1. Lat.	max	mm²	10
	Flexible with insulated spade lug conductor		2	
		min	mm²	1
		max	mm²	10
Screwdriver				PH2
	tection according to IEC/EN 60529			IP20 on front
Cable stripping leng	ght			
		main circuit	mm	12
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-20
		max	°C	+60
	Storage temperature	<del></del>		
		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	350
UL technical data			9	
Motor Disconnect				
Motor Bioconnicot		at 240V	kA	30
		at 480V	kA	30
		at 600V	kA	30
		protection	10 (	100A class J
Group Motor Installa	ation	protoction		100/10/0000
Croup Motor motalic	20011	at 240V	kA	30
		at 480V	kA	30
		at 600V	kA	30
		protection	IV.	100A class J
Tap Conductor Prot	tection	ρισισσιίστι		100/100000
rap Conductor rior	accuori	at 480Y/277V	kA	50
		at 600Y/347V	kA kA	50
Maximum III /CCA I	horsepower ratings single-phase	at 0001/347 V	r/A	50
waxiiiiuiii UL/USA I	norsepower raungs single-phase	440\/ 400\/	НΡ	
		110V-120V	HP	- 1/6
Maximum 111 /00 1	have a manual matter at the second se	220V-240V	HP	1/6
iviaximum UL/CSA	horsepower ratings three-phase, 3-pole	0001.0001	LIE	4/0
		200V-208V	HP	1/2
		220V-240V	HP	1/2
		440V-480V	HP	1
		550V-600V	HP	1.5



## **Dimensions**



## Wiring diagrams









**ENERGY AND AUTOMATION** 

Certifications and con	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		
		E000074

ETIM 8.0

EC000074 -Motor protection circuit-breaker