MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 100KA AT 400V, 0.4...0.63A



Product designation			Motor protection circuit breaker SM1P
Product type designation Electrical features			SIVITE
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			0.40.63
Rated current (In)		Α	0.63
Magnetic tripping			13 x ln
Power dissipation per pole			
	min	W	0.79
	max	W	1.95
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			Α
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



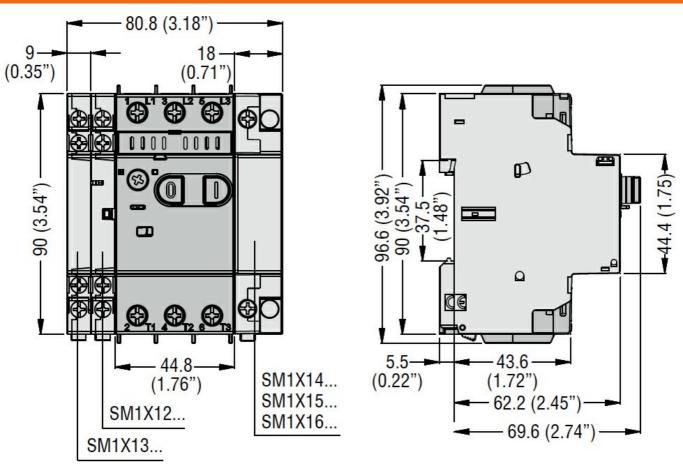
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	Flexible w/o lug conductor section			
		min	mm²	1
		max	mm²	10
	Flexible c/w lug conductor section			
	· ·	min	mm²	1
		max	mm²	10
	Flexible with insulated spade lug conducto	r section		
		min	mm²	1
		max	mm²	10
Screwdriver				PH2
	ection according to IEC/EN 60529			IP20 on front
Cable stripping lengt	ht			
		main circuit	mm	12
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-20
	Otana na tanan ing ba	max	°C	+60
	Storage temperature	!	°C	FO
		min	°C	-50
	Companyation to magaziture	max	C	+80
	Compensation temperature	min	°C	-20
		max	°C	+50
Max altitude		IIIdX	 	3000
Operating position				3000
Operating position		normal		Vertical plan
		allowable		Any
		<u> </u>		Screw / DIN rail
Fixing				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 Installa	tion			
		at 240V	kA	50
		at 480V	kA	50
		at 600V	kA	50
T. O. I. (5 :		protection		Fuse or CB
Tap Conductor Prote	ection	- 1 400 1/0771		50
		at 480Y/277V	kΑ	50
Maximum III /004 I		at 600Y/347V	kA	50
iviaximum UL/CSA h	orsepower ratings single-phase	4401/4001/	LID	
		110V-120V	HP ud	-
Maximum III /CCA L	oreanower ratings three phase 2 pale	220V-240V	HP	-
IVIAXIIIIUIII UL/CSA N	orsepower ratings three-phase, 3-pole	2007 2007	UD	
		200V-208V 220V-240V	HP HP	-
		440V-480V	пг HP	-
		550V-600V	HP	-
		300 V 000 V		

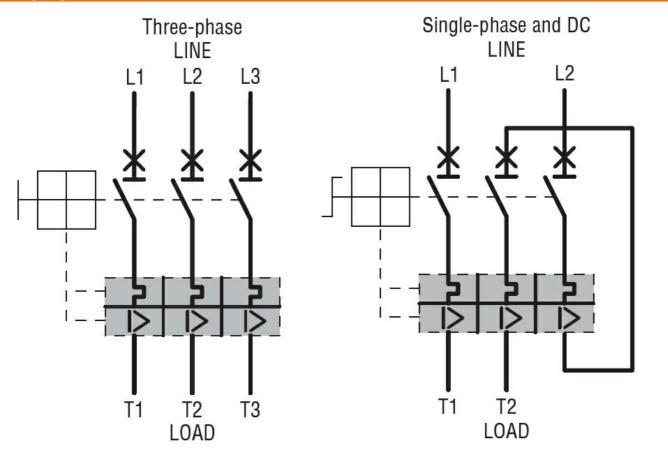


ENERGY AND AUTOMATION

Dimensions



Wiring diagrams





circuit-breaker



ENERGY AND AUTOMATION

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Certifications and com	ipliance	
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