

MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 100KA AT 400V, 0.1...0.16A



Product type 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			0.10.16
Rated current (In)		Α	0.16
Magnetic tripping			10 x ln
Power dissipation per pole			
the state of the s	min	W	0.81
	max	W	2.07
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			
3 1 7 7	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



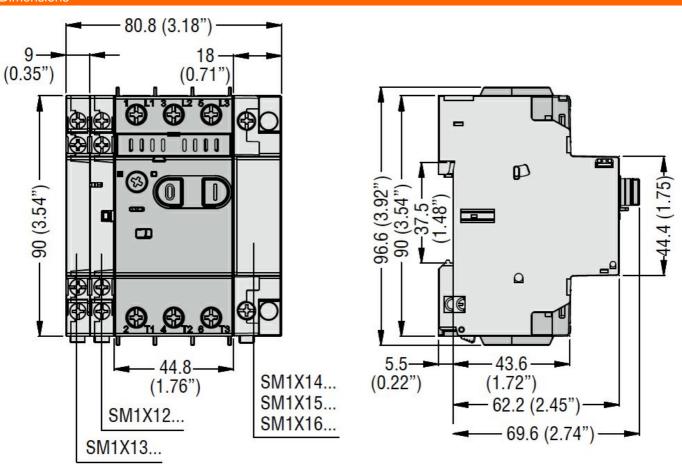
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	Flexible w/o lug conductor section			
		min	mm²	1
		max	mm²	10
	Flexible c/w lug conductor section		•	
		min	mm²	1
	Elevible with insulated and delivers and vitarian action	max	mm²	10
	Flexible with insulated spade lug conductor section		mm²	1
		min max	mm² mm²	10
Screwdriver		IIIax	111111	PH2
	tection according to IEC/EN 60529			IP20 on front
Cable stripping leng				11 20 011 110111
Cable outphing long	,	main circuit	mm	12
Ambient conditions				· <u>-</u>
Temperature				
•	Operating temperature			
		min	°C	-20
		max	°C	+60
	Storage temperature			
		min	°C	-50
		max	°C	+80
	Compensation temperature	!	° ^	20
		min	°C	-20 +50
Max altitude		max		3000
Operating position			m	3000
Operating position		normal		Vertical plan
		allowable		Any
Fixing				Screw / DIN rail 35mm
Weight			g	280
UL technical data			9	200
Motor Disconnect				
			kA	50
		at 240V	IV-1	30
		at 240V at 480V	kA	50
				50 50
		at 480V	kA	50
Group Motor Installa	ation	at 480V at 600V protection	kA kA	50 50 Fuse or CB
Group Motor Installa	ation	at 480V at 600V protection at 240V	kA kA kA	50 50 Fuse or CB
Group Motor Installa	ation	at 480V at 600V protection at 240V at 480V	kA kA kA kA	50 50 Fuse or CB 50 50
Group Motor Installa	ation	at 480V at 600V protection at 240V at 480V at 600V	kA kA kA	50 50 Fuse or CB 50 50
		at 480V at 600V protection at 240V at 480V	kA kA kA kA	50 50 Fuse or CB 50 50
		at 480V at 600V protection at 240V at 480V at 600V protection	kA kA kA kA kA	50 50 Fuse or CB 50 50 50 Fuse or CB
·		at 480V at 600V protection at 240V at 480V at 600V protection	kA kA kA kA	50 50 Fuse or CB 50 50 Fuse or CB
Tap Conductor Prot	rection	at 480V at 600V protection at 240V at 480V at 600V protection	kA kA kA kA kA	50 50 Fuse or CB 50 50 50 Fuse or CB
Tap Conductor Prot		at 480V at 600V protection at 240V at 480V at 600V protection at 480Y/277V at 600Y/347V	kA kA kA kA kA	50 50 Fuse or CB 50 50 Fuse or CB
Tap Conductor Prot	rection	at 480V at 600V protection at 240V at 480V at 600V protection at 480Y/277V at 600Y/347V	kA kA kA kA kA	50 50 Fuse or CB 50 50 Fuse or CB
Tap Conductor Prot Maximum UL/CSA h	ection horsepower ratings single-phase	at 480V at 600V protection at 240V at 480V at 600V protection at 480Y/277V at 600Y/347V	kA kA kA kA kA	50 50 Fuse or CB 50 50 Fuse or CB
Tap Conductor Prot Maximum UL/CSA h	rection	at 480V at 600V protection at 240V at 480V at 600V protection at 480Y/277V at 600Y/347V 110V-120V 220V-240V	kA kA kA kA kA	50 50 Fuse or CB 50 50 Fuse or CB
Tap Conductor Prot Maximum UL/CSA h	ection horsepower ratings single-phase	at 480V at 600V protection at 240V at 480V at 600V protection at 480Y/277V at 600Y/347V 110V-120V 220V-240V	kA kA kA kA HP HP	50 50 Fuse or CB 50 50 50 Fuse or CB
	ection horsepower ratings single-phase	at 480V at 600V protection at 240V at 480V at 600V protection at 480Y/277V at 600Y/347V 110V-120V 220V-240V	kA kA kA kA kA	50 50 Fuse or CB 50 50 50 Fuse or CB

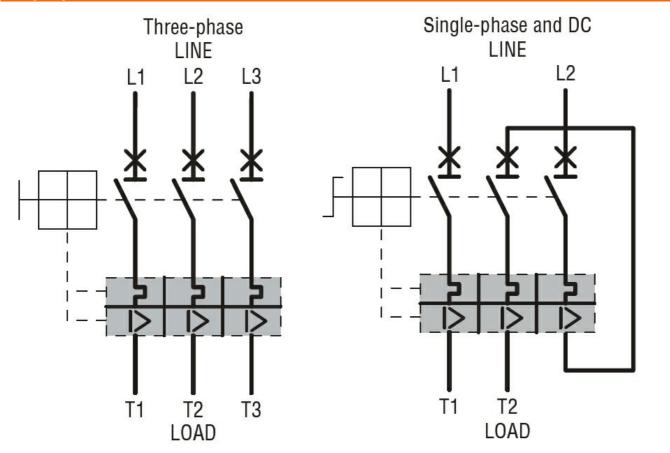


ENERGY AND AUTOMATION

Dimensions



Wiring diagrams





circuit-breaker



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Certifications and com	pliance	
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		
ETIM 8.0		EC000074 - Motor protection