

MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 100KA AT 400V, 0.16...0.25A



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			0.160.25
Rated current (In)		Α	0.25
Magnetic tripping			10 x ln
Power dissipation per pole			
The state of the s	min	W	0.81
	max	W	1.97
Operational short-circuit current breaking capacity (Ics) at AC			
operation and other carries and an arrange capacity (180) at 710	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

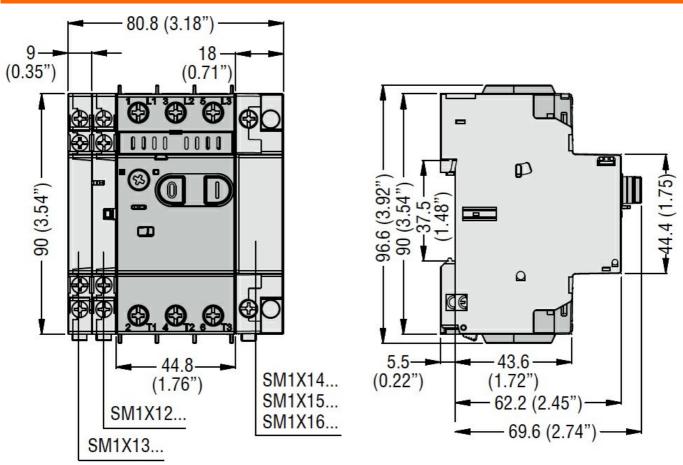


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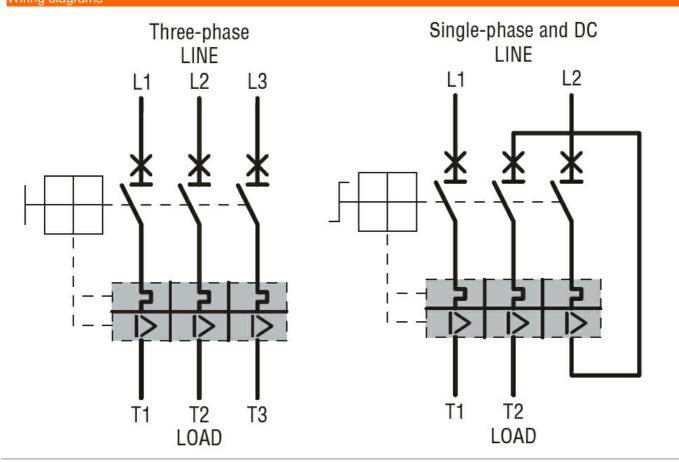
	Flexible w/o lug conductor section			
	3 1 11111 11111	min	mm²	1
		max	mm²	10
	Flexible c/w lug conductor section			
	•	min	mm²	1
		max	mm²	10
	Flexible with insulated spade lug conductor section			
		min	mm²	1
		max	mm²	10
Screwdriver				PH2
Power terminal prote	ction according to IEC/EN 60529			IP20
Cable stripping lengh	t			
		main circuit	mm	12
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-20
	0:	max	°C	+60
	Storage temperature		0.0	50
		min	°C	-50
	Opportunities to secret sec	max	°C	+80
	Compensation temperature		°C	20
		min	°C	-20
Max altitude		max		+50
			m	3000
Operating position		n o rmo ol		\/artical plan
		normal allowable		Vertical plan Any
		allowable		Screw / DIN rail
Fixing				35mm
Weight			g	280
UL technical data			9	200
Motor Disconnect				
Motor Biocomioc		at 240V	kA	50
		at 480V	kA	50
		at 600V	kA	50
		protection	· •	Fuse or CB
UL technical data				_
	Group Motor Insta	allation at 240V	kA	50
	Group Motor Insta		kA	50
		allation at 480V	kA kA	50 50
	Group Motor Insta	allation at 480V allation at 600V		
Tap Conductor Protect	Group Motor Insta Group Motor Insta Group Motor Installa	allation at 480V allation at 600V		50
Tap Conductor Protec	Group Motor Insta Group Motor Insta Group Motor Installa	allation at 480V allation at 600V		50
Tap Conductor Protec	Group Motor Insta Group Motor Insta Group Motor Installa	allation at 480V allation at 600V ation protection	kA	50 Fuse or CB
1	Group Motor Insta Group Motor Insta Group Motor Installa	allation at 480V allation at 600V ation protection at 480Y/277V	kA kA	50 Fuse or CB
•	Group Motor Insta Group Motor Installa Group Motor Installa	allation at 480V allation at 600V ation protection at 480Y/277V	kA kA	50 Fuse or CB
•	Group Motor Insta Group Motor Installa Group Motor Installa	allation at 480V allation at 600V ation protection at 480Y/277V at 600Y/347V	kA kA kA	50 Fuse or CB
Maximum UL/CSA ho	Group Motor Insta Group Motor Installa Group Motor Installa	allation at 480V allation at 600V ation protection at 480Y/277V at 600Y/347V 110V-120V	kA kA kA	50 Fuse or CB
Maximum UL/CSA ho	Group Motor Insta Group Motor Installa Group Motor Installa ction orsepower ratings single-phase	allation at 480V allation at 600V ation protection at 480Y/277V at 600Y/347V 110V-120V	kA kA kA	50 Fuse or CB
Maximum UL/CSA ho	Group Motor Insta Group Motor Installa Group Motor Installa ction orsepower ratings single-phase	allation at 480V allation at 600V ation protection at 480Y/277V at 600Y/347V 110V-120V 220V-240V	kA kA kA HP HP	50 Fuse or CB
	Group Motor Insta Group Motor Installa Group Motor Installa ction orsepower ratings single-phase	allation at 480V allation at 600V ation protection at 480Y/277V at 600Y/347V 110V-120V 220V-240V 200V-208V	kA kA kA HP HP	50 Fuse or CB

ENERGY AND AUTOMATION

Dimensions



Wiring diagrams







ENERGY AND AUTOMATION

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Certifications and co	ompliance	
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 circuit-breaker