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			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



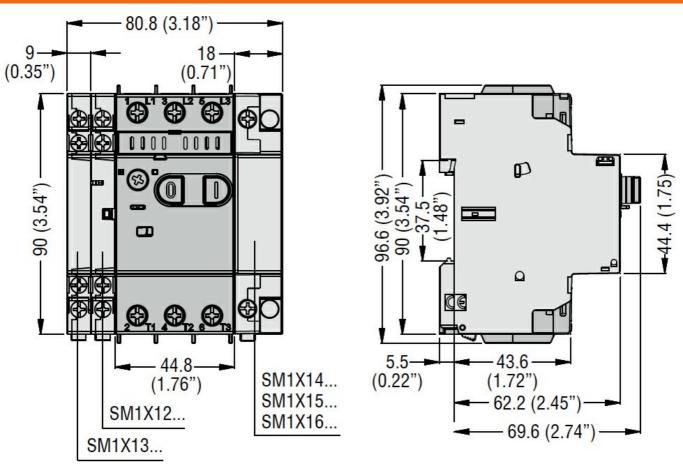
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	Flexible w/o lug conductor section			
		min	mm²	1
	m	nax	mm²	10
	Flexible c/w lug conductor section			
		min	mm²	1
		nax	mm²	10
	Flexible with insulated spade lug conductor section			
	r	min	mm²	1
	m	nax	mm²	10
Screwdriver				PH2
Power terminal prote	ction according to IEC/EN 60529			IP20
Cable stripping lengh	ıt			
	main circ	cuit	mm	12
Ambient conditions				
Temperature				
	Operating temperature	_		
		min	°C	-20
		nax	°C	+60
	Storage temperature		0.0	5 0
		min	°C	-50
		nax	°C	+80
	Compensation temperature	!	°C	20
		min	°C	-20
Max altitude	tr	nax		+50
			m	3000
Operating position	no.w	ol		Vartical plan
	norn allowal			Vertical plan Any
	allOwal	DIE		Screw / DIN rail
Fixing				35mm
Weight			g	280
UL technical data			9	200
Motor Disconnect				
	at 24	.0V	kA	50
	at 48		kA	50
	at 60		kA	50
	protecti			Fuse or CB
UL technical data	·			
	Group Motor Installation at 24	.0V	kA	50
	Group initialiation at 24			
	Group Motor Installation at 48		kA	50
		80V	kA kA	50 50
	Group Motor Installation at 48	80V 90V		
Tap Conductor Protec	Group Motor Installation at 48 Group Motor Installation at 60 Group Motor Installation protecti	80V 90V		50
Tap Conductor Protec	Group Motor Installation at 48 Group Motor Installation at 60 Group Motor Installation protecti	80V 90V ion		50
Tap Conductor Proted	Group Motor Installation at 48 Group Motor Installation at 60 Group Motor Installation protection	80V 90V ion 77V	kA	50 Fuse or CB
1	Group Motor Installation at 48 Group Motor Installation at 60 Group Motor Installation protectiction at 480Y/27	80V 90V ion 77V	kA kA	50 Fuse or CB
•	Group Motor Installation at 48 Group Motor Installation at 60 Group Motor Installation protection at 480Y/27 at 600Y/34	80V 90V ion 77V 47V	kA kA	50 Fuse or CB
	Group Motor Installation at 48 Group Motor Installation at 60 Group Motor Installation protection at 480Y/27 at 600Y/34 prsepower ratings single-phase	80V 90V iion 77V 47V	kA kA kA	50 Fuse or CB
Maximum UL/CSA ho	Group Motor Installation at 48 Group Motor Installation at 60 Group Motor Installation protection at 480Y/27 at 600Y/34 presepower ratings single-phase 110V-12	80V 90V iion 77V 47V	kA kA kA	50 Fuse or CB
Maximum UL/CSA ho	Group Motor Installation at 48 Group Motor Installation at 60 Group Motor Installation protection at 480Y/27 at 600Y/34 presepower ratings single-phase 110V-12 220V-24	80V 00V ion 77V 77V 20V	kA kA kA	50 Fuse or CB
Maximum UL/CSA ho	Group Motor Installation at 48 Group Motor Installation at 60 Group Motor Installation protectication at 480Y/27 at 600Y/34 presepower ratings single-phase 110V-12 220V-24 presepower ratings three-phase, 3-pole	80V 90V ion 77V 77V 20V -0V	kA kA kA HP HP	50 Fuse or CB
	Group Motor Installation at 48 Group Motor Installation at 60 Group Motor Installation protection at 480Y/27 at 600Y/34 presepower ratings single-phase 110V-12 220V-24 presepower ratings three-phase, 3-pole 200V-20	80V 90V 90V 97V 97V 90V 98V	kA kA kA HP HP	50 Fuse or CB

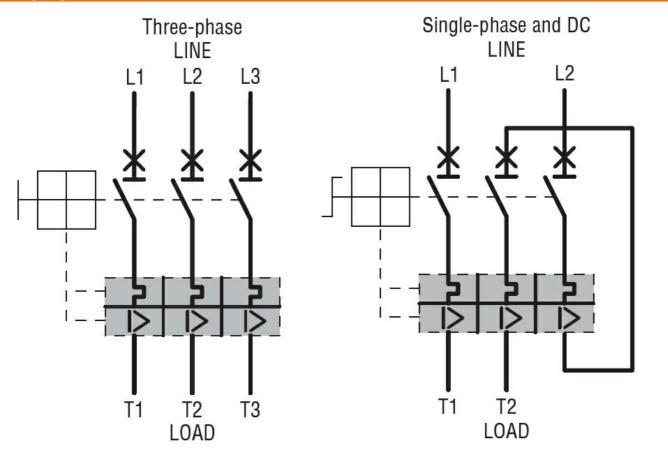


ENERGY AND AUTOMATION

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