



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			11.6
Rated current (In)		А	1.6
Magnetic tripping			13 x ln
Total power dissipation		W	2.30
Operational short-circuit current breaking capacity (Ics) at AC			
	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		ļ	
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
Flexible w/o lug conductor section			
-	min	mm²	1



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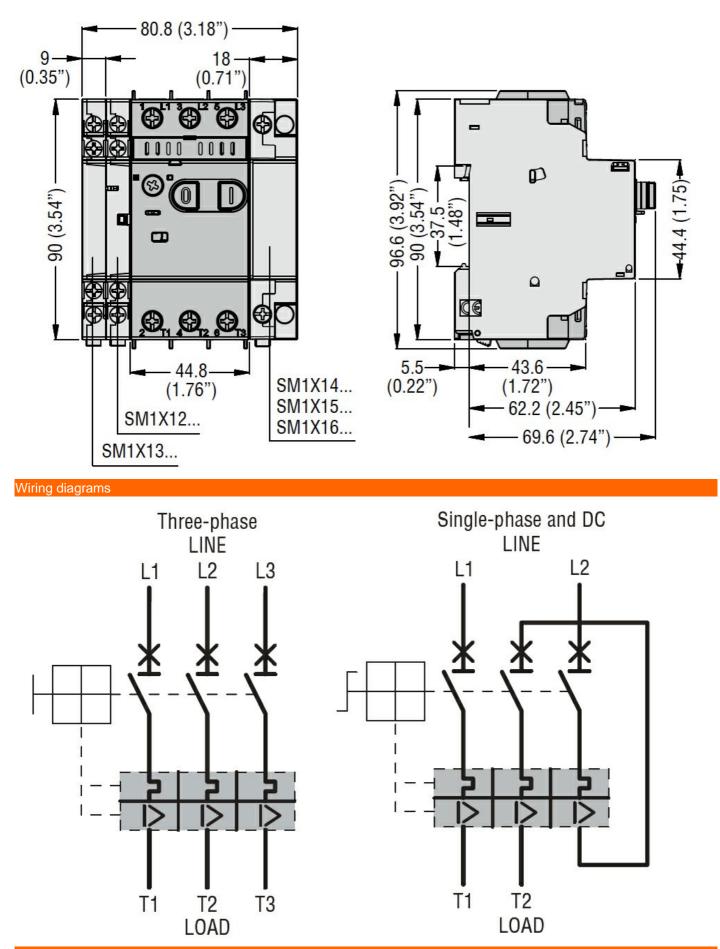
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	Flexible c/w lug conductor section			
		min	mm²	1
	Flexible with insulated spade lug conductor section			
		min	mm²	1
Screwdriver				PH2
Power terminal prote	ction according to IEC/EN 60529			IP20
Cable stripping lengh				
		main circuit	mm	1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-20
		max	°C	+60
	Storage temperature			
		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	280
UL technical data				
Motor Disconnect				
		at 240V	kA	50
		at 480V	kA	50
		at 600V	kA	50
		protection		Fuse or CB
Group Motor Installat	ion			
		at 240V	kA	50
		at 480V	kA	50
		at 600V	kA	50
		protection		Fuse or CB
Tap Conductor Prote				
		at 480Y/277V	kA	50
		at 600Y/347V	kA	50
UL508 / UL 60947-4-	1 Manual Self Protected Combination Motor Controller (Type E) Short c	ircuit cui	rrent
		at 240V	kA	50
		at 480Y/277V	kA	50
		at 600Y/347V	kA	50
Maximum UL/CSA ho	prsepower ratings single-phase			
		110V-120V	HP	-
		220V-240V	HP	1/10
Maximum UL/CSA ho	prsepower ratings three-phase, 3-pole			
		200V-208V	HP	-
		220V-240V	HP	-
		440V-480V	HP	3/4
		550V-600V	HP	1
Dimensions				

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Certifications and compliance

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The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



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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

EC000074 -Motor protection circuit-breaker