



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			0.40.63
Rated current (In)		А	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			
	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			А
Operations			
Mechanical life		cycles	100000
Electrical life		cycles	100000
Mechanical features			
Tightening torque for terminals			
	min	Nm	2.5
	max	Nm	3
	min	Ibin	22
	max	Ibin	26.5
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	min		16
	max		8

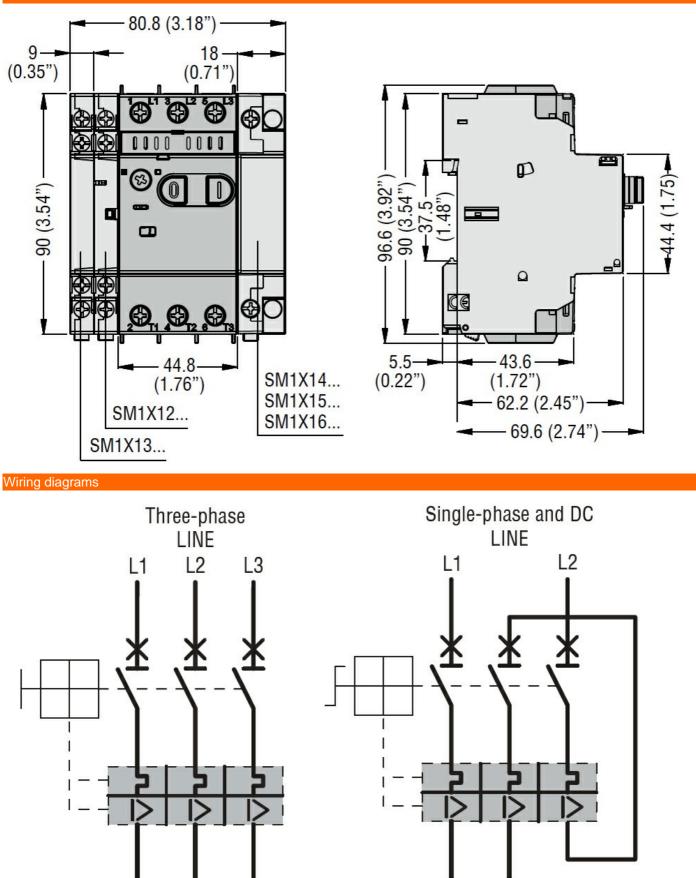


	Flexible w/o lug conductor section			
		min	mm²	1
		max	mm²	10
	Flexible c/w lug conductor section			
		min	mm²	1
		max	mm²	10
	Flexible with insulated spade lug conductor section			
		min	mm²	1
		max	mm²	10
Screwdriver				PH2
	tection according to IEC/EN 60529			IP20 on front
Cable stripping leng	ght			
		main circuit	mm	12
Ambient conditions				
Temperature				
	Operating temperature		•	00
		min	°C °°	-20
	Ctorogo temporaturo	max	°C	+60
	Storage temperature	min	°C	-50
			°C	-50 +80
	Compensation temperature	max	C	+00
	compensation temperature	min	°C	-20
		max	°C	+50
Max altitude		тах	 	3000
Operating position				
- F		normal		Vertical plan
		allowable		Any
Fixing				Screw / DIN ra
FIXING				25mm
e				35mm
Weight			g	280
Weight JL technical data			g	
Weight UL technical data				280
Weight JL technical data		at 240V	kA	280 50
Weight UL technical data		at 480V	kA kA	280 50 50
Weight UL technical data		at 480V at 600V	kA	280 50 50 50
Weight UL technical data Motor Disconnect		at 480V	kA kA	280 50 50
Weight UL technical data Motor Disconnect	ation	at 480V at 600V protection	kA kA kA	280 50 50 50 Fuse or CB
Weight UL technical data Motor Disconnect	ation	at 480V at 600V protection at 240V	kA kA kA	280 50 50 50 Fuse or CB 50
Weight UL technical data Motor Disconnect	ation	at 480V at 600V protection at 240V at 480V	kA kA kA kA	280 50 50 50 Fuse or CB 50 50
Weight UL technical data Motor Disconnect	ation	at 480V at 600V protection at 240V at 480V at 600V	kA kA kA	280 50 50 50 Fuse or CB 50 50 50
Weight UL technical data Motor Disconnect		at 480V at 600V protection at 240V at 480V	kA kA kA kA	280 50 50 50 Fuse or CB 50 50
Weight UL technical data Motor Disconnect	tection	at 480V at 600V protection at 240V at 240V at 480V at 600V protection	kA kA kA kA kA	280 50 50 50 Fuse or CB 50 50 50 Fuse or CB
Weight UL technical data Motor Disconnect	tection	at 480V at 600V protection at 240V at 240V at 480V protection at 480Y/277V	kA kA kA kA kA	280 50 50 50 Fuse or CB 50 50 Fuse or CB 50
Weight UL technical data Motor Disconnect Group Motor Install	tection	at 480V at 600V protection at 240V at 240V at 480V at 600V protection	kA kA kA kA kA	280 50 50 50 Fuse or CB 50 50 50 Fuse or CB
Weight UL technical data Motor Disconnect Group Motor Install	tection	at 480V at 600V protection at 240V at 480V at 600V protection at 480Y/277V at 600Y/347V	kA kA kA kA kA kA	280 50 50 50 Fuse or CB 50 50 Fuse or CB 50
Weight UL technical data Motor Disconnect Group Motor Install	tection	at 480V at 600V protection at 240V at 480V at 600V protection at 480Y/277V at 600Y/347V 110V-120V	kA kA kA kA kA kA kA HP	280 50 50 50 Fuse or CB 50 50 Fuse or CB 50
Weight UL technical data Motor Disconnect Group Motor Install Tap Conductor Pro Maximum UL/CSA	tection 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 kA	280 50 50 50 Fuse or CB 50 50 Fuse or CB 50
Weight UL technical data Motor Disconnect Group Motor Install Tap Conductor Pro Maximum UL/CSA	tection	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 kA kA HP HP	280 50 50 50 Fuse or CB 50 50 Fuse or CB 50
Weight UL technical data Motor Disconnect Group Motor Install Tap Conductor Pro Maximum UL/CSA	tection 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 200V-208V	kA kA kA kA kA kA HP HP	280 50 50 50 Fuse or CB 50 50 Fuse or CB 50
Weight UL technical data Motor Disconnect Group Motor Install Tap Conductor Pro Maximum UL/CSA	tection 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 kA kA HP HP	280 50 50 50 Fuse or CB 50 50 Fuse or CB 50

SM1P0063



Dimensions



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 and cor	mpliance	
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