



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			1.62.5
Rated current (In)		А	2.5
Magnetic tripping			13 x In
Power dissipation per pole			
	min	W	0.67
	max	W	1.63
Operational short-circuit current breaking capacity (Ics) at AC			
	230V	kA	100
	400V	kA	100
	440V	kA	100
	500V	kA	100
	690V	kA	3
Maximum short-circuit current breaking capacity (Icu) at AC			
	230V	kA	100
	400V	kA	100
	440V	kA	100
	500V	kA	100
	690V	kA	3
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	lbin	22
	max	lbin	26.5
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	min		16
	max		8

SM1P0250



MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 100KA AT 400V,

SM1P0250

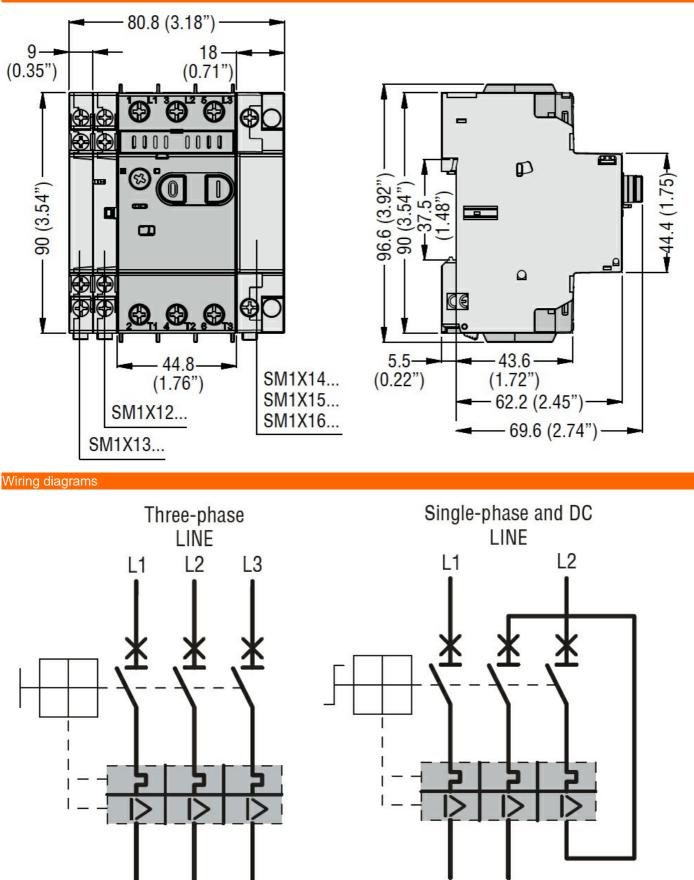
1.6...2.5A

	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
	otection according to IEC/EN 60529			IP20 on front
Cable stripping len	ight			
A 1 1 4 114		main circuit	mm	12
Ambient conditions	5			
Temperature				
	Operating temperature		• ~	20
		min	°C ℃	-20
	Storogo tomporoturo	max	U	+60
	Storage temperature	min	°C	50
		min max	°C	-50 +80
	Compensation temperature	max	C	+00
	Compensation temperature	min	°C	-20
		max	°C	+50
Max altitude		max	 	3000
Operating position				
operating peetier		normal		Vertical plan
		allowable		Any
Fixing				Screw / DIN rai 35mm
Weight			g	350
UL technical data			Ŭ	
Motor Disconnect				
		at 240V	kA	30
		at 480V	kA	30
		at 600V	kA	30
		protection		100A class J
Group Motor Instal	llation			
		at 240V	kA	30
		at 480V	kA	30
		at 600V	kA	30
		protection		100A class J
Tap Conductor Pro	otection			
		at 480Y/277V	kA	50
	<u> </u>	at 600Y/347V	kA	50
viaximum UL/CSA	horsepower ratings single-phase			
		110V-120V	HP	-
		220V-240V	HP	1/6
viaximum UL/CSA	horsepower ratings three-phase, 3-pole	0001/0001/		4/0
		200V-208V	HP	1/2
		220V-240V	HP	1/2
		440V-480V	HP	1
		550V-600V	HP	1.5

SM1P0250



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

T2

LOAD

Τ1

T3

T2

LOAD

T1



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