



Product designation			Motor protection circuit breaker
Product type designation			SM2R
Electrical features			-
Number of poles		Nr.	3
Magnetic protection			yes
Thermal protection			yes
Phase failure detection			yes
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	6
Rated frequency		Hz	50/60
Thermal trip adjustment range			3450
Rated current (In)		Α	50
Magnetic tripping			13 x ln
Power dissipation per pole			
	max	W	7
Operational short-circuit current breaking capacity (Ics) at AC			
	230V	kA	100
	400V	kA	50
	440V	kA	27
	500V	kA	8
	690V	kA	5
Maximum short-circuit current breaking capacity (Icu) at AC			<u> </u>
	230V	kA	100
	400V	kA	50
	440V	kA	35
	500V	kA	10
	690V	kA	5
Tripping class		10 1	10A
IEC Utilization category			A
Operations			<i>·</i> ··
Mechanical life		cycles	50000
Electrical life		cycles	25000
Mechanical features		0)0100	20000
Tightening torque for terminals			
	min	Nm	4.5
	max	Nm	4.5
	min	Ibin	3.3
	max	Ibin	3.3
Max number of wires simultaneously connectable	тах	Nr.	2
Conductor section			
AWG/Kcmil			
	min		18
	max		3
Elevible w/e lug conductor section	max		~

SM2R5000

ENERGY AND AUTOMATION

MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 50KA AT 400V, 35...50A

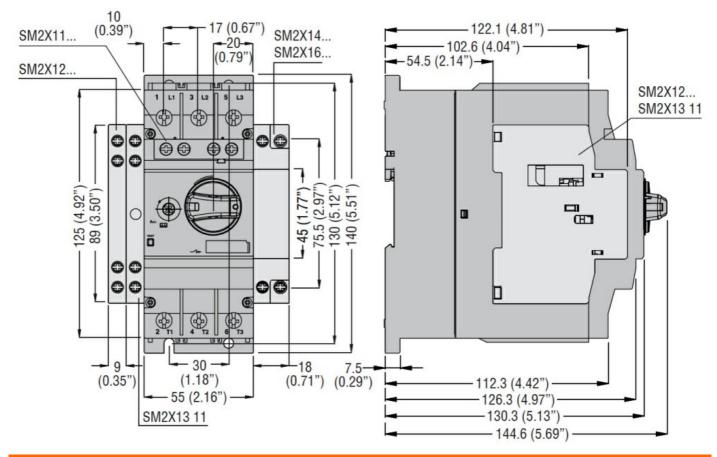
SM2R5000

		min	mm²	0.75		
		max	mm²	25		
	Flexible c/w lug conductor section			-		
		min	mm²	0.75		
		max	mm²	25		
	Flexible with insulated spade lug conductor			20		
	The share with insulated space by conductors	min	mm²	0.75		
			mm²	25		
Screwdriver		max	111111	PZ2		
	testion according to IEC/EN COE20					
	tection according to IEC/EN 60529			IP20		
Cable stripping leng	gnt			4		
A set to set the set		main circuit	mm	1		
Ambient conditions						
Temperature						
	Operating temperature					
		min	°C	-20		
		max	°C	+70		
	Storage temperature					
		min	°C	-50		
		max	°C	+80		
	Compensation temperature					
		min	°C	-50		
		max	°C	+40		
Max altitude			m	3000		
Operating position						
		normal		Vertical plan		
		allowable		Any		
Fixing				Screw / DIN rail 35mm		
Weight			g	1000		
UL technical data			Ŭ			
Motor Disconnect						
		at 480V	kA	50		
		at 600V	kA	10		
		protection	-	Fuse or CB		
Group Motor Install	ation	F. 3.000.011		···· ··		
		at 480V	kA	50		
		at 600V	kA	10		
		protection	10.1	Fuse or CB		
Tap Conductor Pro	tection	Protection				
		at 480Y/277V	kA	50		
		at 600Y/347V	кА kA			
	4.1 Monual Salf Directorian Combination Mater			10 rront		
UL306 / UL 60947-	4-1 Manual Self Protected Combination Motor Co					
		at 240V	kA	100		
		at 480Y/277V	kA	50		
Maximum UL/CSA	horsepower ratings single-phase					
		110V-120V	HP	3		
		220V-240V	HP	10		
Maximum UL/CSA horsepower ratings three-phase, 3-pole						
		200V-208V	HP	15		
		220V-240V	HP	15		
		440V-480V	HP	30		
		550V-600V	HP	40		

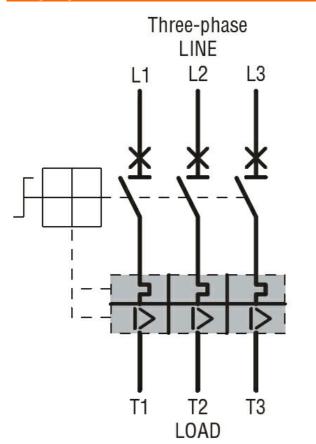
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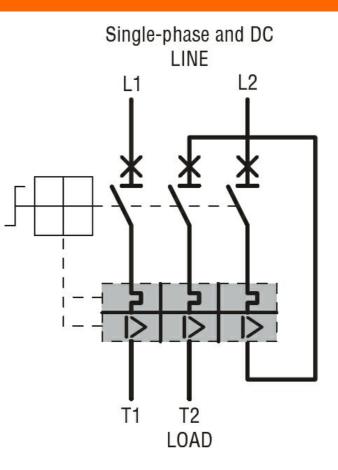


Dimensions



Wiring diagrams







Certifications and compliance					
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