



Product designation				Motor protection circuit breaker
Product type designation				SM1RM
Electrical features				
Magnetic protection				yes
Thermal protection				no
Rated insulation voltage Ui IEC/EN			V	690
Rated impulse withsta	and voltage Uimp		kV	6
Rated frequency			Hz	50/60
Rated current (In)			Α	14
Magnetic tripping				13 x ln
Power dissipation per	rpole			
		min	W	1.13
		max	W	2.73
Operational short-circ	uit current breaking capacity (Ics) at AC			
		230V	kA	100
		400V	kA	100
		440V	kA	42
		500V	kA	42
		690V	kA	2
Maximum short-circuit	t current breaking capacity (Icu) at AC			
		230V	kA	100
		400V	kA	100
		440V	kA	42
		500V	kA	42
		690V	kA	4
IEC Utilization catego	ry			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
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

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MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 100KA AT 400V, 14A

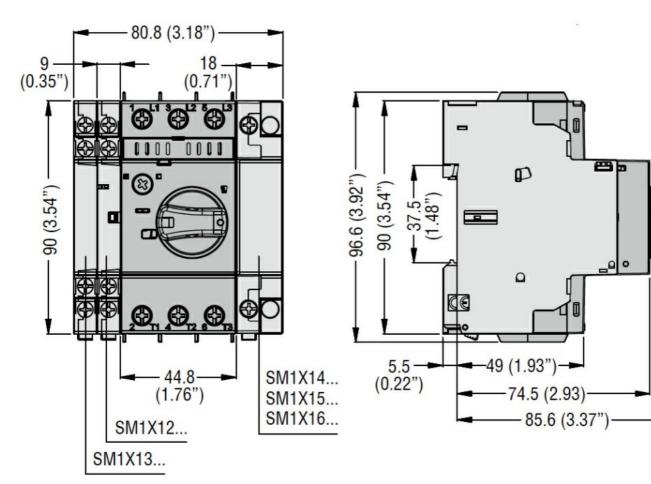
		max	mm²	10
	Flexible with insulated spade lug conductor section			
		min	mm²	1
		max	mm²	10
Screwdriver				PH2
Cable stripping lenght				
		main circuit	mm	12
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-20
		max	°C	+60
	Storage temperature			
		min	°C	-50
		max	°C	+80
	Compensation temperature			
		min	°C	-20
		max	°C	+50
Max altitude			m	3000
Operating position				
		allowable		Any
				Screw / DIN rail
Fixing				35mm
Weight			g	390
UL technical data				
Motor Disconnect				
		at 480V	kA	30
		at 600V	kA	30
		protection		200A class J
Group Motor Installatio	n	-		
-		at 480V	kA	30
		at 600V	kA	30
		protection		200A class J
Tap Conductor Protect	ion	•		
		at 480Y/277V	kA	65
		at 600Y/347V	kA	30
Dimensions				



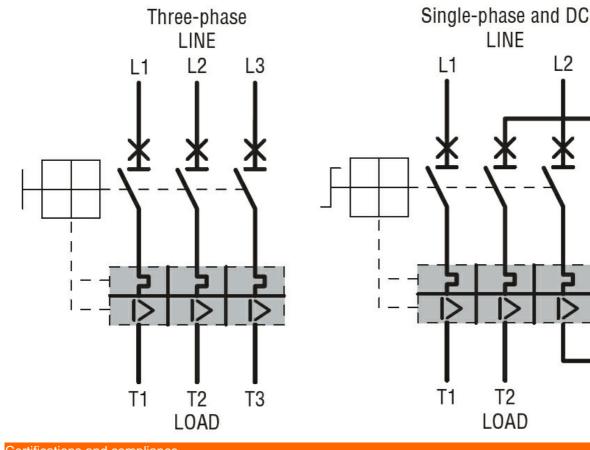
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Wiring diagrams



## Certifications and compliance

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## SM1RM1400

Certifications	
	CSA C22.2 n° 60947-4-1
	IEC/EN 60947-1
	IEC/EN 60947-2
	IEC/EN 60947-4-1
	UL60947-4-1
Compliance	
	cULus
	EAC
ETIM classification	n la construction de la cons

ETIM 8.0

EC000074 -Motor protection circuit-breaker

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