



Product designation				Motor protection circuit breaker
Product type designa	tion			SM1RM
Electrical features				
Magnetic protection				yes
Thermal protection				no
Rated insulation volta	-		V	690
Rated impulse withsta	and voltage Uimp		kV	6
Rated frequency			Hz	50/60
Rated current (In)			Α	18
Magnetic tripping				13 x In
Power dissipation pe	r pole			
		min	W	1.34
		max	W	2.57
Operational short-circ	uit current breaking capacity (Ics) at AC			
		230V	kA	100
		400V	kA	100
		440V	kA	5
		500V	kA	5
		690V	kA	2
Maximum short-circui	t current breaking capacity (Icu) at AC			
	5 1 5 ()	230V	kA	100
		400V	kA	100
		440V	kA	10
		500V	kA	10
		690V	kA	4
IEC Utilization catego	rv			A
Operations	- ,			
Mechanical life			cycles	100000
Electrical life			cycles	100000
Mechanical features			eyelee	100000
Tightening torque for	terminals			
		min	Nm	2.5
		max	Nm	3
		min	Ibin	22
		max	Ibin	26.5
Conductor section		Παλ		20.0
	AWG/Kcmil			
		min		16
		min		16 8
	Flowible w/o lug conductor costion	max		8
	Flexible w/o lug conductor section		2	4
		min	mm²	1
		max	mm²	10
	Flexible c/w lug conductor section		2	4
		min	mm²	1

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MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 400144 47 40 0V, 8A

Y	ICU	100KA AT	400
			18

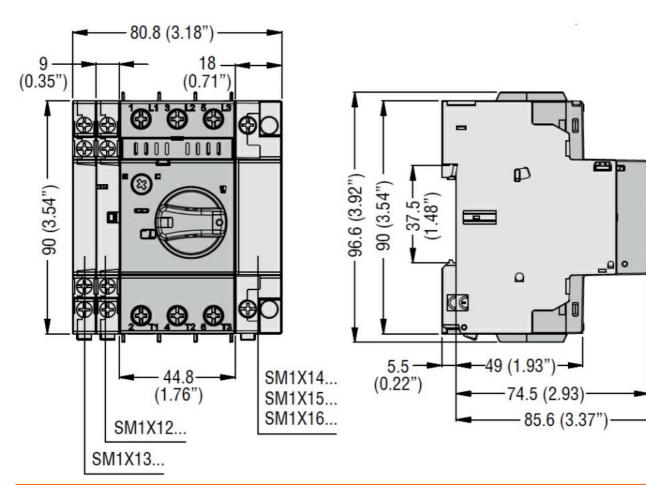
		max	mm²	10
	Flexible with insulated spade lug conductor section			
		min	mm²	1
		max	mm²	10
Screwdriver				PH2
Cable stripping lenght		main circuit	mm	12
Ambient conditions		main circuit		12
Temperature				
rompolataro	Operating temperature			
	operating temperature	min	°C	-20
		max	°Č	+60
	Storage temperature			
		min	°C	-50
		max	°C	+80
	Compensation temperature			
		min	°C	-20
		max	°C	+50
Max altitude			m	3000
Operating position				
		allowable		Any
Fixing				Screw / DIN rail 35mm
Weight			g	390
UL technical data			3	
Motor Disconnect				
		at 480V	kA	30
		at 600V	kA	30
		protection		200A class J
Group Motor Installation	on	·		
		at 480V	kA	30
		at 600V	kA	30
		protection		200A class J
Tap Conductor Protect	tion			
		at 480Y/277V	kA	65
Dimensions				



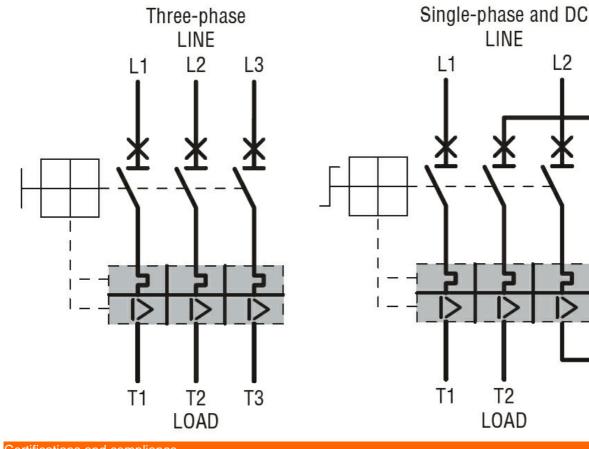
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Wiring diagrams



Certifications and compliance

SM1RM1800

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° 60947-4-1
	IEC/EN 60947-1
	IEC/EN 60947-2
	IEC/EN 60947-4-1
	UL60947-4-1
Compliance	
	cULus
	EAC
ETIM classification	

ETIM 8.0

EC000074 -Motor protection circuit-breaker

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