



Product designation			Motor protection
			circuit breaker
Product type designation			SM1R
Electrical features		N L.	<u>^</u>
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			6.310
Rated current (In)		Α	10
Magnetic tripping			13 x In
Total power dissipation		W	2.61
Operational short-circuit current breaking capacity (Ics) at AC			
	230V	kA	100
	400V	kA	100
	440V	kA	42
	500V	kA	42
	690V	kA	2
Maximum short-circuit current breaking capacity (Icu) at AC			
	230V	kA	100
	400V	kA	100
	440V	kA	100
	500V	kA	42
	690V	kA	4
Tripping class			10A
IEC Utilization category			A
Operations			
Mechanical life		cycles	100000
Electrical life		cycles	100000
Mechanical features			
Tightening torque for terminals			
	min	Nm	2.5
	max	Nm	3
	min	lbin	1.8
	max	lbin	2.2
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	min		16
	max		8
Flexible w/o lug conductor section	Пах		-
	min	mm²	1
	11111		ı

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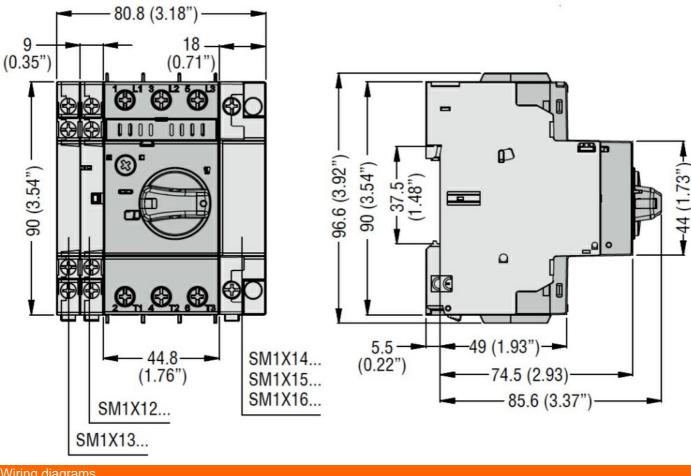


SM1R1000 Motor protection circuit breaker, IEC breaking capacity Icu 100kA at 400V, 6.3...10A

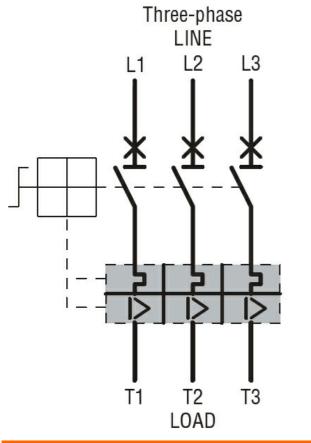
Flexible c/w lug conductor section			
	min	mm²	1
Flexible with insulated spade lug conductor section			
	min	mm²	1
Screwdriver			PH2
Power terminal protection according to IEC/EN 60529			IP20
Cable stripping lenght			
	main circuit	mm	1
Ambient conditions			
Temperature			
Operating temperature			
	min	°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			
	normal		Vertical plan
	allowable		Any
			Screw / DIN rail
Fixing			35mm
Weight		g	390
UL technical data		Ū	
Motor Disconnect			
	at 480V	kA	30
	at 600V	kA	30
	protection		100A class J
Group Motor Installation	•		
	at 480V	kA	30
	at 600V	kA	30
	protection		100A class J
Maximum UL/CSA horsepower ratings single-phase	protocilori		
	110V-120V	HP	1/2
	220V-240V	HP	1.5
Maximum UL/CSA horsepower ratings three-phase, 3-pole			
	200V-208V	HP	2
	200V-208V 220V-240V	HP	3
	440V-480V	HP	5
	440V-480V 550V-600V	HP	5 7.5
Dimensions	0000	1 11	1.0

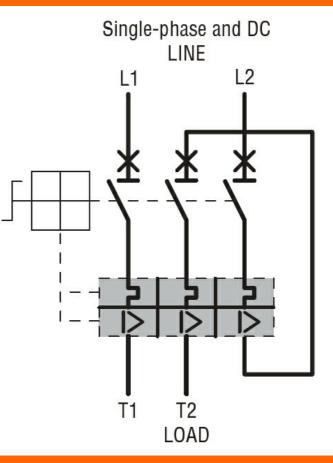
SM1R1000





Wiring diagrams





Certifications and compliance

SM1R1000

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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