electric INTERRUPTORES GUARDAMOTORES, PODER DE CORTE EN CORTOCIRCUITO ICU A 400V = 50KA, 24...32A

ENERGY AND AUTOMATION

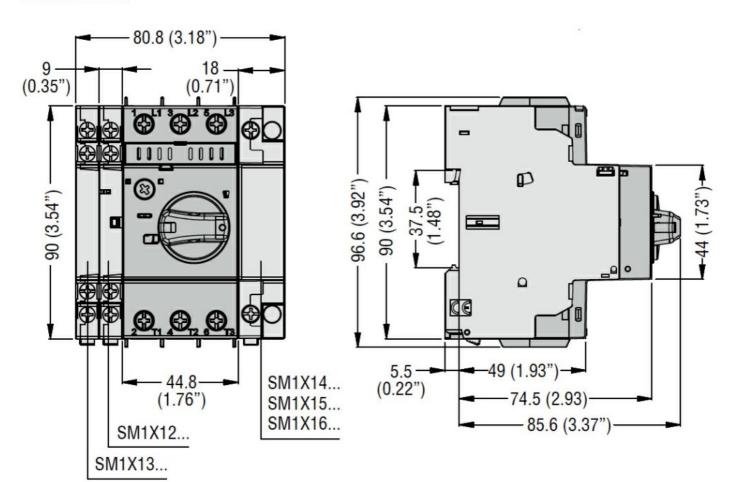


Product designation			Motor protection circuit breaker
Product type designation			SM1R
Electrical features			
Number of poles		Nr.	3
Magnetic protection			yes
Thermal protection			yes
Phase failure detection			yes
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Rated frequency		Hz	50/60
Thermal trip adjustment range			2432
Rated current (In)		Α	32
Magnetic tripping			13 x ln
Power dissipation per pole			
	min	W	2.49
	max	W	4.42
Operational short-circuit current breaking capacity (Ics) at AC			
	230V	kA	100
	400V	kA	25
	440V	kA	5
	500V	kA	5
	690V	kA	2
Maximum short-circuit current breaking capacity (Icu) at AC			
	230V	kA	100
	400V	kA	50
	440V	kA	10
	500V	kA	10
	690V	kA	4
Tripping class			10A
IEC Utilization category			Α
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

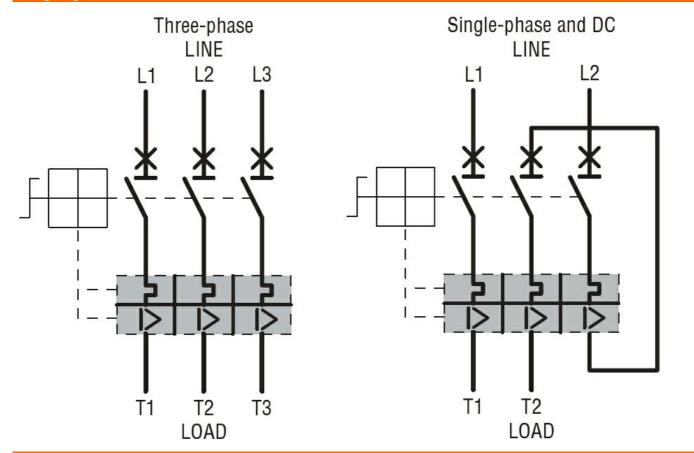
electric INTERRUPTORES GUARDAMOTORES, PODER DE CORTE EN CORTOCIRCUITO ICU A 400V = 50KA, 24...32A

ENERGY AND AUTOMATION

	Flexible w/o lug conductor section				
		min	mm²	1	
		max	mm²	10	
	Flexible c/w lug conductor section			_	
	<u>-</u>	min	mm²	1	
		max	mm²	10	
	Flexible with insulated spade lug conductor section				
		min	mm²	1	
		max	mm²	10	
Screwdriver				PH2	
Power terminal protect	tion according to IEC/EN 60529			IP20 on front	
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					
		normal		Vertical plan	
		allowable		Any	
Fixing				Screw / DIN rail 35mm	
Weight			g	390	
UL technical data					
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	
Maximum UL/CSA hor	sepower ratings single-phase			_	
		110V-120V	HP	2	
		220V-240V	HP	5	
Maximum UL/CSA horsepower ratings three-phase, 3-pole					
		200V-208V	HP	10	
		220V-240V	HP	10	
		440V-480V	HP	20	
Disconsissor		550V-600V	HP	30	
Dimensions					



Wiring diagrams



Certifications and compliance

SM1R3200





electric INTERRUPTORES GUARDAMOTORES, PODER DE CORTE EN CORTOCIRCUITO ICU A 400V = 50KA, 24...32A

ENERGY AND AUTOMATION

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

ETIM 8.0

EC000074 -Motor protection circuit-breaker