



Product designation			Motor protection
Product type designation			circuit breaker SM3R
Electrical features			OMOIN
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			7090
Rated current (In)		Α	90
Magnetic tripping			13 x ln
Power dissipation per pole			
	max	W	7
Operational short-circuit current breaking capacity (Ics) at AC	max		·
	230V	kA	100
	400V	kA	38
	440V	kA	30
	500V	kA	6
	690V	kA	4
Maximum short-circuit current breaking capacity (Icu) at AC	0001	10.1	
Maximum short broat barbin broaking bapabity (100) at the	230V	kA	100
	400V	kA	50
	400V 440V	kA	40
	500V	kA	8
	690V	kA	5
Tripping class	0001	IV (10A
IEC Utilization category			A
Operations			<i>//</i>
Mechanical life		cycles	50000
Electrical life		cycles	25000
Mechanical features		eyelee	20000
Tightening torque for terminals			
	min	Nm	4.5
	max	Nm	4.5
	min	Ibin	4.4
	max	Ibin	4.4
Max number of wires simultaneously connectable	Пах	Nr.	2
Conductor section			
AWG/Kcmil			
	min		18
	max		3
Elexible c/w lug conductor section	max		~

Flexible c/w lug conductor section

ENERGY AND AUTOMATION

SM3R9000 MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 50KA AT 400V, 70...90A

			2	10
		min	mm²	10
		max	mm²	50
	Flexible with insulated spade lug conducto		2	10
		min	mm²	10
0		max	mm²	50
Screwdriver				Allen 4mm
	ection according to IEC/EN 60529			IP20
Cable stripping leng	nt			
A set to set a set the set		main circuit	mm	1
Ambient conditions				
Temperature				
	Operating temperature		° 0	00
		min	°C	-20
	<u></u>	max	°C	+70
	Storage temperature		•	50
		min	°C °°	-50
	O	max	°C	+80
	Compensation temperature		• •	50
		min	°C	-50
		max	°C	+40
Max altitude			m	3000
Operating position				
		normal		Vertical plan
		allowable		Any
Fixing				Screw / DIN rail 35mm
Weight			g	2200
UL technical data			9	2200
Motor Disconnect				
		at 480V	kA	40
		at 600V	kA	10
		protection		Fuse or CB
Group Motor Installa	tion	μισιοσιομ		
		at 480V	kA	40
		at 600V	kA kA	40 10
		protection	r\/~\	Fuse or CB
Tap Conductor Prote	ection	μισιοσιομ		
		at 480Y/277V	kA	40
		at 600Y/347V	kA	40 10
1 508 / 1 1 600/7-1	-1 Manual Self Protected Combination Motor (
02000/ 02 00347-4		at 240V	kA	100
		at 240V at 480Y/277V	кА kA	40
	orronower retinge single shape	al 4001/211V	ĸА	40
viaximum UL/CSA r	orsepower ratings single-phase	440140014		71/
		110V-120V	HP	7½
		220V-240V	HP	20
viaximum UL/CSA h	orsepower ratings three-phase, 3-pole	0001/0001/		05
		200V-208V	HP	25
		220V-240V	HP	30
		440V-480V	HP	60
		550V-600V	HP	75
Dimensions [mm (in				

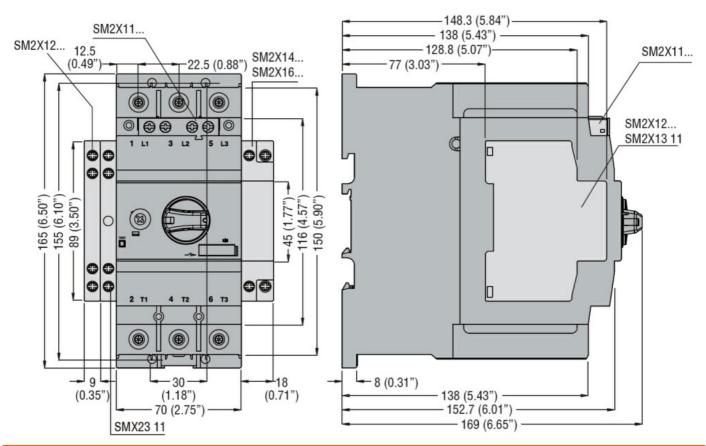
Dimensions [mm (in)]

SM3R9000

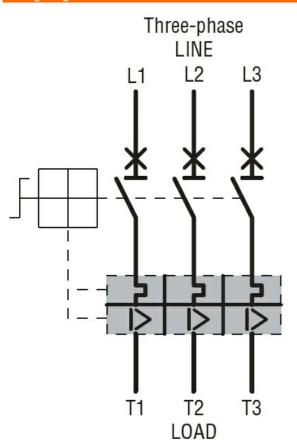
SM3R9000

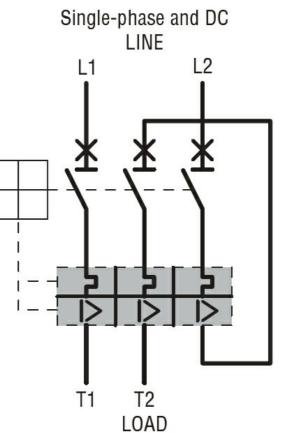


MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 50KA AT 400V, 70...90A



Wiring diagrams





Certifications and compliance Certifications

SM3R9000

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



SM3R9000 MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 50KA AT 400V, 70...90A

	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