



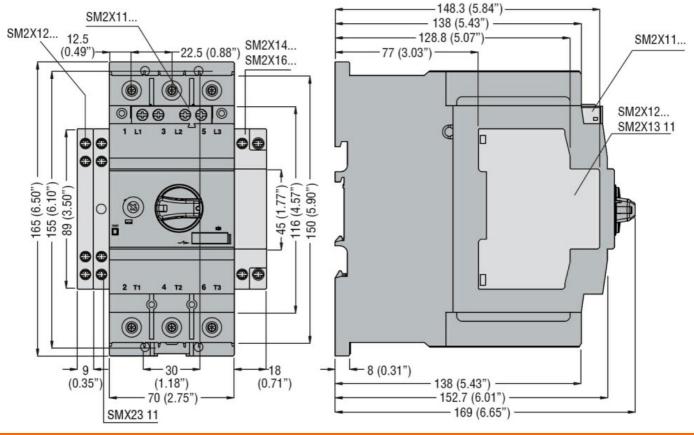
Product designation			Motor protection circuit breaker
Product type designation			SM3R
Electrical features			
Number of poles		Nr.	3
Magnetic protection			yes
Thermal protection			yes
Phase failure detection			yes
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	6
Rated frequency		Hz	50/60
Thermal trip adjustment range			7090
Rated current (In)		Α	90
Magnetic tripping			13 x ln
Operational short-circuit current breaking capacity (Ics) at AC			
	230V	kA	100
	400V	kA	38
	440V	kA	30
	500V	kA	6
	690V	kA	4
Maximum short-circuit current breaking capacity (Icu) at AC			_
	230V	kA	100
	400V	kA	50
	440V	kA	40
	500V	kA	8
	690V	kA	5
Tripping class			10A
IEC Utilization category			Α
Operations			
Mechanical life		cycles	50000
Electrical life		cycles	25000
Mechanical features			
Tightening torque for terminals			
	min	Nm	4.5
	max	Nm	4.5
	min	lbin	4.4
	max	lbin	4.4
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	min		18
	max		3
Flexible c/w lug conductor section	_	_	
	min	mm²	10
	max	mm²	50



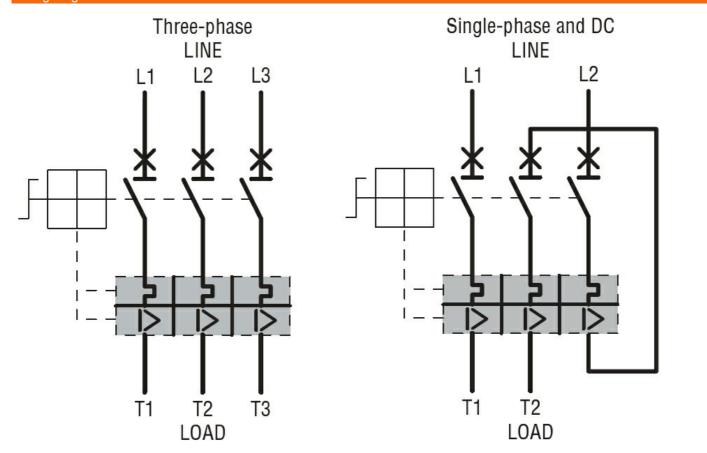
	Flexible with insulated spade lug conductor section	•	
	min	mm²	10
0 1:	max	mm²	50
Screwdriver	"		Allen 4mm
	on according to IEC/EN 60529		IP20
Cable stripping lenght			
A sel traction at Pitters	main circuit	mm	1
Ambient conditions			
Temperature	On another a terms and the		
	Operating temperature	°C	20
	min	°C	-20
	Storage temperature	C	+70
	Storage temperature min	°C	-50
		°C	+80
	Compensation temperature max	U	+0∪
	Compensation temperature min	°C	-50
	max	°C	-50 +40
Max altitude	Шах		3000
Operating position		111	3000
Operating position	normal		Vertical plan
	allowable		Any
	anowabic		Screw / DIN rail
Fixing			35mm
Weight		g	2200
UL technical data			
Motor Disconnect			
	at 480V	kA	40
	at 600V	kA	10
	protection		Fuse or CB
Group Motor Installation	ı		
	at 480V	kA	40
	at 600V	kA	10
	protection		Fuse or CB
Tap Conductor Protection			
	at 480Y/277V	kA	40
	at 600Y/347V	kA	10
UL508 / UL 60947-4-1 N	Manual Self Protected Combination Motor Controller (Type E) Short of		
	at 240V	kA	100
	at 480Y/277V	kA	40
Maximum UL/CSA hors	epower ratings single-phase		
	110V-120V	HP	7½
	220V-240V	HP	20
Maximum UL/CSA hors	epower ratings three-phase, 3-pole		
	200V-208V	HP	25
	220V-240V	HP	30
	440V-480V	HP	60
Dimonsions	550V-600V	HP	75

**Dimensions** 





## Wiring diagrams



## Certifications and compliance

Certifications



## 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

**ENERGY AND AUTOMATION** 

ETIM 8.0

EC000074 -Motor protection circuit-breaker