

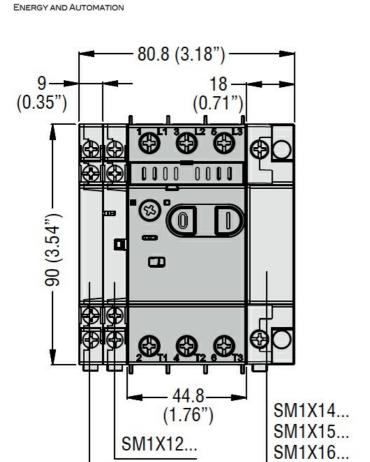


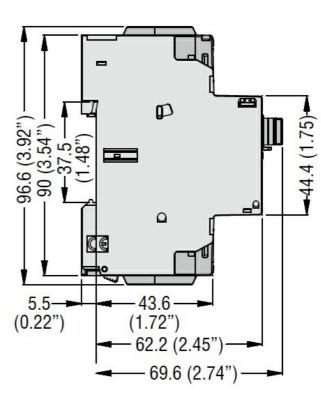
Product designation			Motor protection circuit breaker
Product type designation			SM1P
Electrical features			
Number of poles		Nr.	3
Magnetic protection			yes
Thermal protection			yes
Phase failure detection			yes
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Rated frequency		Hz	50/60
Thermal trip adjustment range			1318
Rated current (In)		Α	18
Magnetic tripping			13 x ln
Total power dissipation		W	2.57
Operational short-circuit current breaking capacity (Ics) at AC			
	230V	kA	50
	400V	kA	12.5
	440V	kA	5
	500V	kA	5
	690V	kA	3
Maximum short-circuit current breaking capacity (Icu) at AC			
	230V	kA	100
	400V	kA	25
	440V	kA	10
	500V	kA	10
	690V	kA	3
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			
	min	mm²	1



	Flexible c/w lug conductor section	_		
		min	mm²	1
	Flexible with insulated spade lug conductor section	min	mm²	1
Screwdriver				PH2
	ection according to IEC/EN 60529			IP20
Cable stripping leng	ıht	main circuit	mm	1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-20
		max	°C	+60
	Storage temperature		0.0	
		min	°C	-50
	Componentian to an automatical	max	°C	+80
	Compensation temperature	min	°C	20
		min	°C	-20 +50
Max altitude		max		
			m	3000
Operating position		normal		Vertical plan
		allowable		Vertical plan Any
		allowable		Screw / DIN rail
Fixing				35mm
Weight			g	350
UL technical data				
Motor Disconnect		. 0 40) /		
		at 240V	kA	30
		at 480V	kA	30 100A class J
Croup Motor Installs	ation	protection		TOUA Class J
Group Motor Installa	ation	ot 040\/	L.Λ	20
		at 240V	kΑ	30
		at 480V	kA	30
Tap Conductor Prot	action	protection		100A class J
rap Conductor Prot	GOUOTI	at 480Y/277V	kA	50
		at 600Y/347V	kA kA	50
III 508 / III 60947-4	4-1 Manual Self Protected Combination Motor Controller			
52000 / GE 00347-2	Manda John Totolica Combination Motor Controller	at 240V	kA	50
		at 480Y/277V	kA	50
		at 600Y/347V	kA	50
Maximum UL/CSA h	norsepower ratings single-phase			
		110V-120V	HP	1
		220V-240V	HP	3
Maximum UL/CSA h	norsepower ratings three-phase, 3-pole		- **	-
		200V-208V	HP	5
		220V-240V	HP	5
		440V-480V	HP	10
Dimensions				

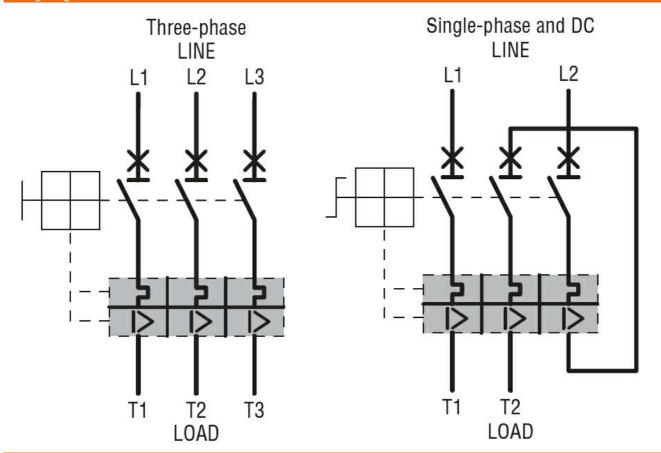






Wiring diagrams

SM1X13...







Motor protection circuit breaker, IEC breaking capacity Icu 25kA at 400V, 13...18A

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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