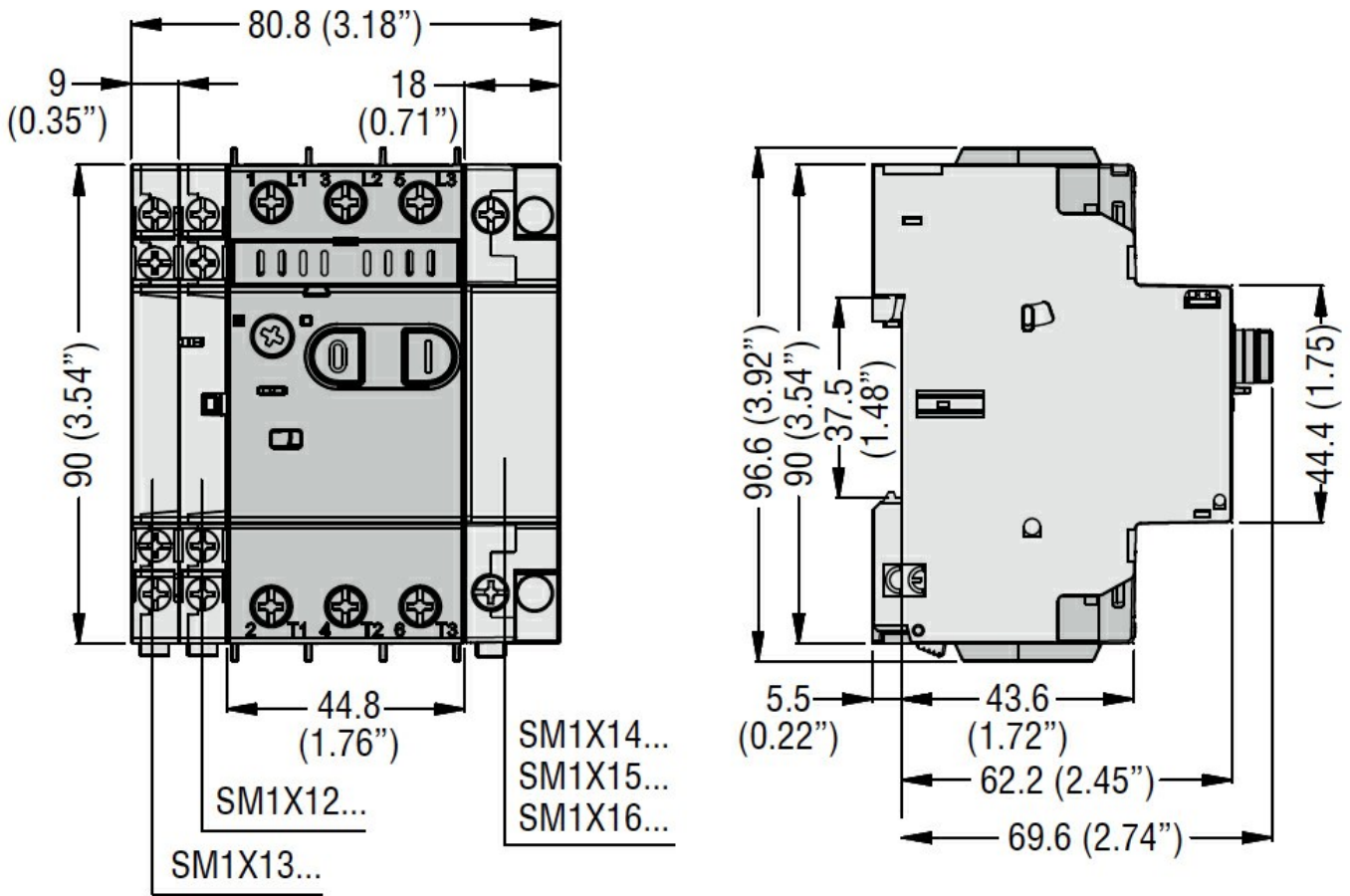


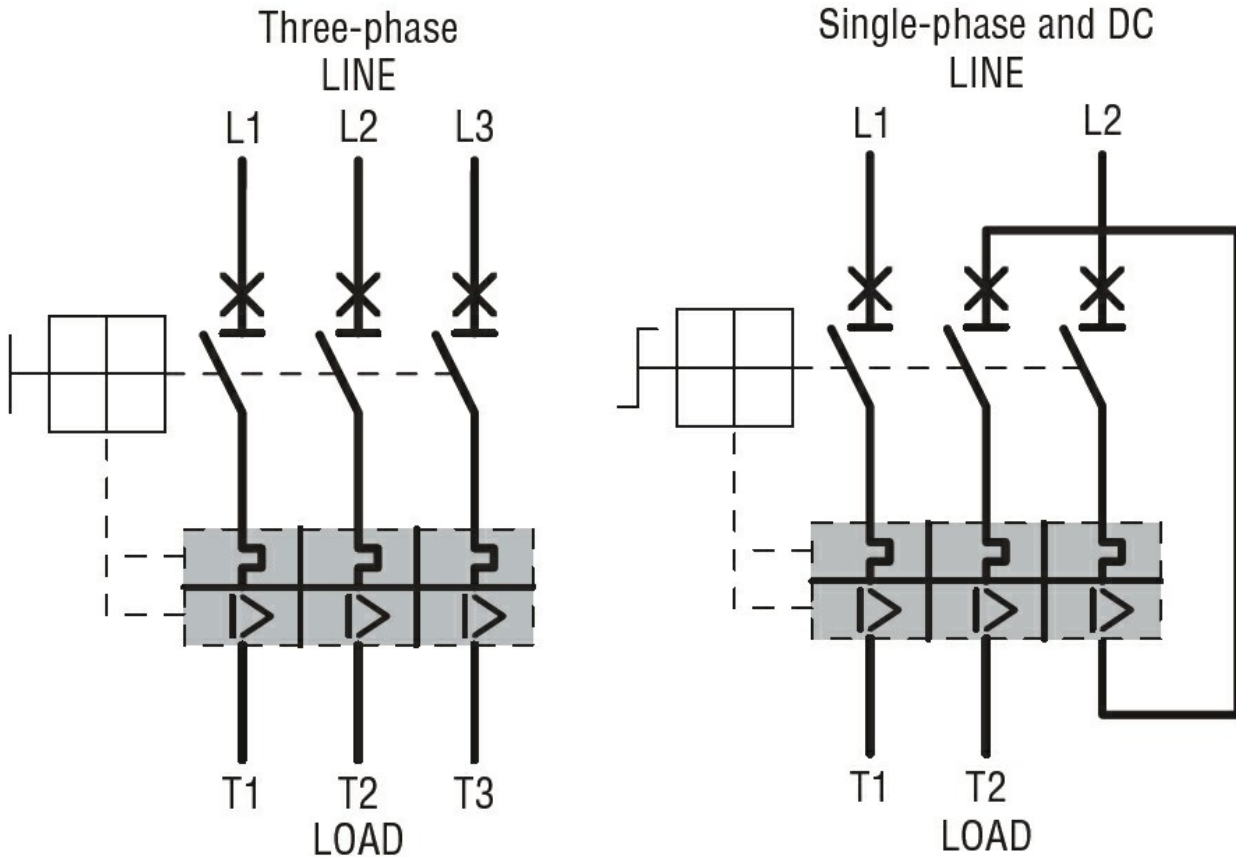


Product designation				Motor protection circuit breaker SM1P
Product type designation				SM1P
Electrical features				
Number of poles	Nr.			3
Magnetic protection				yes
Thermal protection				yes
Phase failure detection				yes
Rated insulation voltage U_i IEC/EN	V			690
Rated impulse withstand voltage U_{imp}	kV			6
Rated frequency	Hz			50/60
Thermal trip adjustment range				6.3...10
Rated current (I_n)	A			10
Magnetic tripping				13 x I_n
Total power dissipation	W			2.61
Operational short-circuit current breaking capacity (I_{cs}) at AC				
	230V	kA	100	
	400V	kA	100	
	440V	kA	13	
	500V	kA	13	
	690V	kA	3	
Maximum short-circuit current breaking capacity (I_{cu}) at AC				
	230V	kA	100	
	400V	kA	100	
	440V	kA	25	
	500V	kA	25	
	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	22	
	max	lbin	26.5	
Max number of wires simultaneously connectable		Nr.	2	
Conductor section				
	AWG/Kcmil			
		min	16	
		max	8	
	Flexible w/o lug conductor section			
		min	mm ²	1

Flexible c/w lug conductor section	min	mm ²	1
Flexible with insulated spade lug conductor section	min	mm ²	1
Screwdriver			PH2
Power terminal protection according to IEC/EN 60529			IP20
Cable stripping length	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 allowable		Vertical plan Any
Fixing			Screw / DIN rail 35mm
Weight		g	350
UL technical data			
Motor Disconnect	at 240V	kA	30
	at 480V	kA	30
	at 600V	kA	30
	protection		100A class J
Group Motor Installation	at 240V	kA	30
	at 480V	kA	30
	at 600V	kA	30
	protection		100A class J
Tap Conductor Protection	at 480Y/277V	kA	50
	at 600Y/347V	kA	50
UL508 / UL 60947-4-1 Manual Self Protected Combination Motor Controller (Type E) Short circuit current	at 240V	kA	50
	at 480Y/277V	kA	50
	at 600Y/347V	kA	50
Maximum UL/CSA horsepower ratings single-phase	110V-120V	HP	1/2
	220V-240V	HP	1.5
Maximum UL/CSA horsepower ratings three-phase, 3-pole	200V-208V	HP	2
	220V-240V	HP	3
	440V-480V	HP	5
	550V-600V	HP	7.5
Dimensions			



Wiring diagrams



Certifications and compliance

Certifications

CSA C22.2 n° 14

IEC/EN 60947-1

IEC/EN 60947-2

IEC/EN 60947-4-1

UL508

Compliance

cULus

EAC