

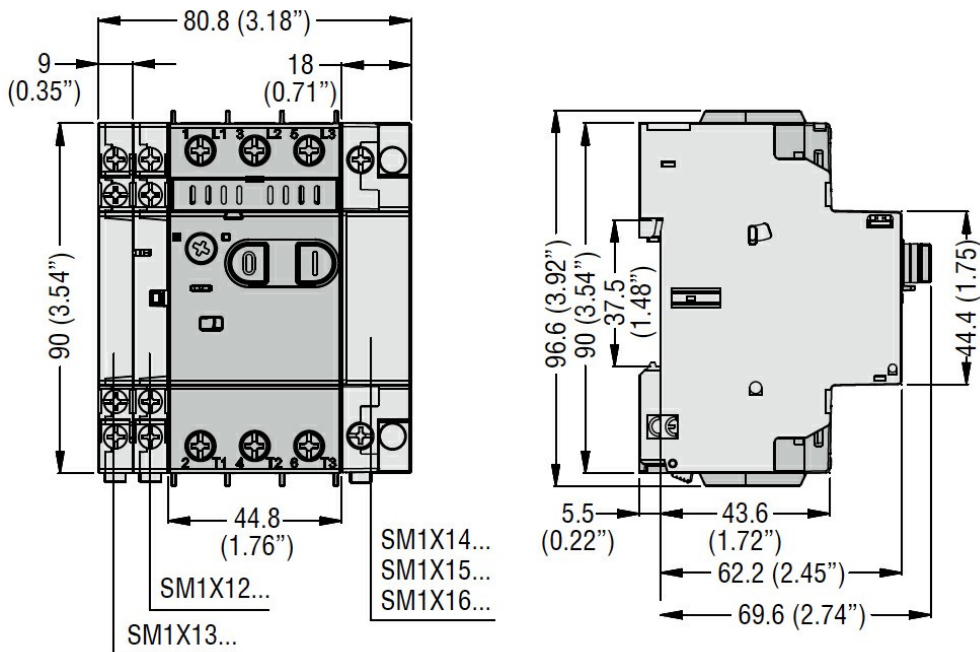


Motor protective circuit breaker
SM1P

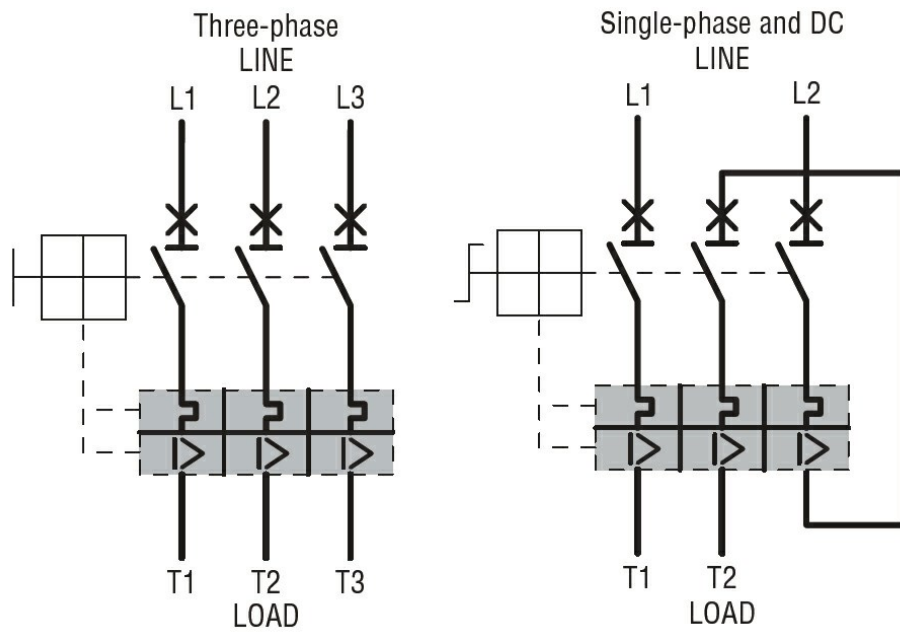
Product designation			
Product type designation			
Electrical features			
Number of poles	nr.	3	
Magnetic protection		yes	
Thermal protection		yes	
Phase failure detection		yes	
Rated insulation voltage Ui IEC/EN	V	690	
Rated impulse withstand voltage Uimp	kV	6	
Rated frequency	Hz	50/60	
Thermal trip adjustment range		0.16...0.25	
Rated current (In)	A	0.25	
Magnetic tripping		10 x In	
Total power dissipation	W	1.97	
Operational short-circuit current breaking capacity (Ics) at AC			
	230V	kA	100
	400V	kA	100
	440V	kA	100
	500V	kA	100
	690V	kA	100
Maximum short-circuit current breaking capacity (Icu) at AC			
	230V	kA	100
	400V	kA	100
	440V	kA	100
	500V	kA	100
	690V	kA	100
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	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	280
UL technical data			
UL508 / UL60947-4-1 Manual Motor Controller - Short circuit current			
Motor Disconnect	at 240V at 480V at 600V protection	kA kA kA	50 50 50 Fuse or CB
Group Motor Installation			
	at 240V at 480V at 600V protection	kA kA kA	50 50 50 Fuse or CB
Tap Conductor Protection			
	at 480Y/277V at 600Y/347V	kA kA	50 50
UL508 / UL 60947-4-1 Manual Self Protected Combination Motor Controller (Type E) Short circuit current			
	UL508 / UL 60947-4-1 Manual Self Protected Combination Motor Controller (Type E) Short-circuit cur	50	
	UL508 / UL 60947-4-1 Manual Self Protected Combination Motor Controller (Type E) Short-circuit cur	50	
	UL508 / UL 60947-4-1 Manual Self Protected Combination Motor Controller (Type E) Short-circuit cur	50	
Maximum UL/CSA horsepower ratings single-phase			
	at 110V-120V at 220V-240V	hp hp	- -
Maximum UL/CSA horsepower ratings three-phase, 3-pole			
	at 200V-208V at 220V-240V at 440V-480V at 550V-600V	hp hp hp hp	- - - -

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

ETIM 6 classification