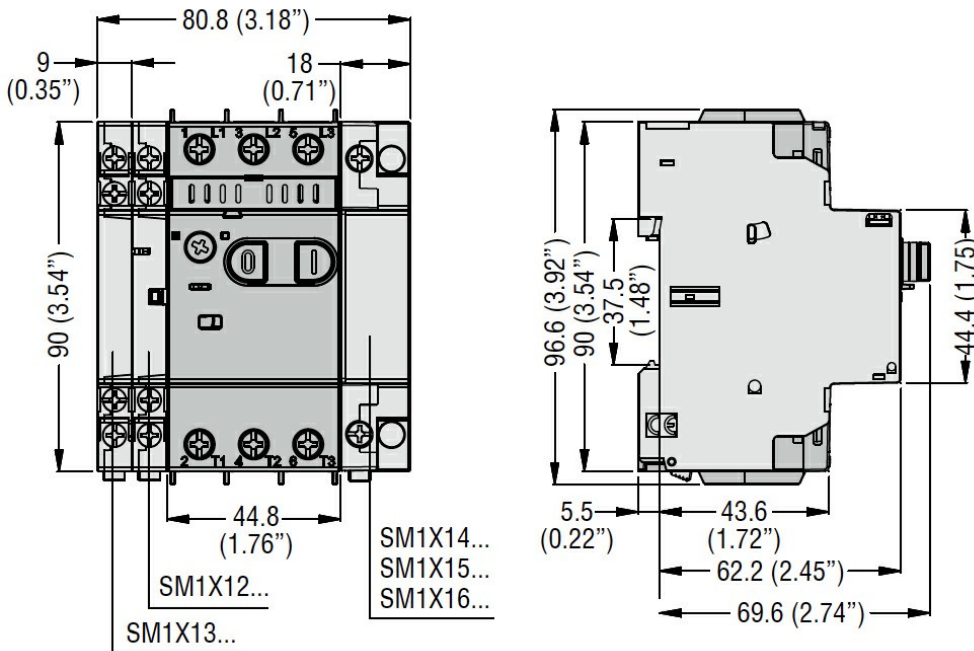




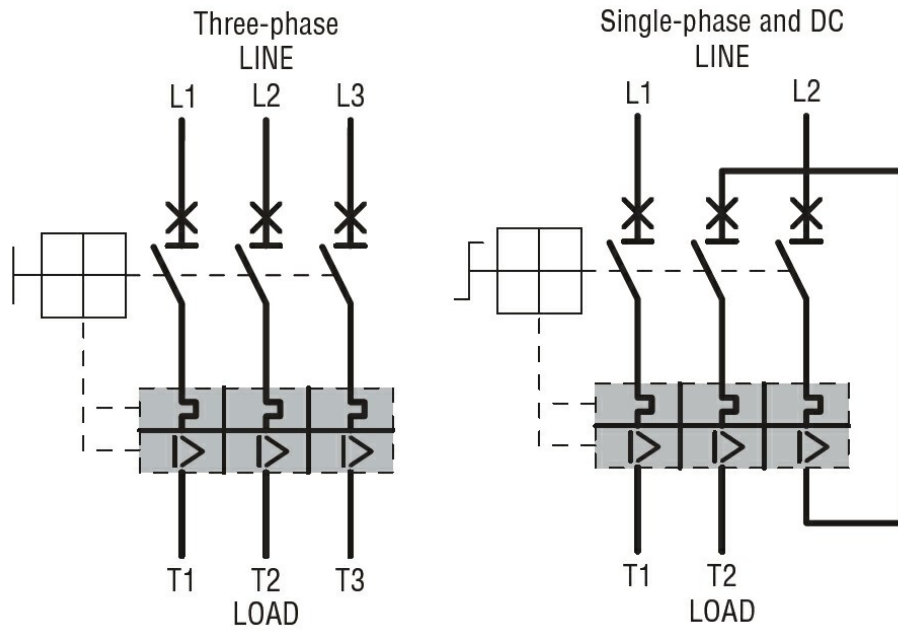
Product designation	SM1P		
Product type designation	Motor protective circuit breaker		
Electrical features			
Number of poles	nr.	3	
Magnetic protection		Yes	
Thermal protection		Yes	
Phase failure detection		Yes	
Rated insulation voltage U_i IEC/EN	V	690	
Rated impulse withstand voltage U_{imp}	kV	6	
Rated frequency	Hz	50/60	
Thermal trip adjustment range		17...23	
Rated current (I_n)	A	23	
Magnetic tripping		13 x I_n	
Operational short-circuit current breaking capacity (I_{cs}) at AC			
	230V	kA	50
	400V	kA	5
	440V	kA	5
	500V	kA	5
	690V	kA	2
Maximum short-circuit current breaking capacity (I_{cu}) at AC			
	230V	kA	50
	400V	kA	15
	440V	kA	10
	500V	kA	10
	690V	kA	2
Operations			
Mechanical life	Cycles	100,000	
Electrical life	Cycles	100,000	
Mechanical features			
Tightening torque for terminals			
	min	Nm	3
	max	Nm	3
	min	lbin	2
	max	lbin	2
Max number of wires simultaneously connectable	nr.	2	
Conductor section			
AWG			
	/kcmil min	16	
	/kcmil max	8	
Flexible w/o lug conductor section			
	min	mm ²	1
	max	mm ²	10
Flexible c/w lug conductor section			
	min	mm ²	1
	max	mm ²	10
Flexible with insulated spade lug conductor section			
	min	mm ²	1
	max	mm ²	10
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	3,000
Operational position			

	Operating position normal Operating position allowable	Su piano verticale Qualsiasi	
Fixing		A vite / profilato omega 35mm	
Weight		g	350
UL technical data			
UL508 / UL60947-4-1 Manual Motor Controller - Short circuit current			
Motor Disconnect		at 240V at 480V protection	kA kA Fuse or CB
Group Motor Installation		at 240V at 480V protection	kA kA 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
			1 2
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
			3 3 10 -

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