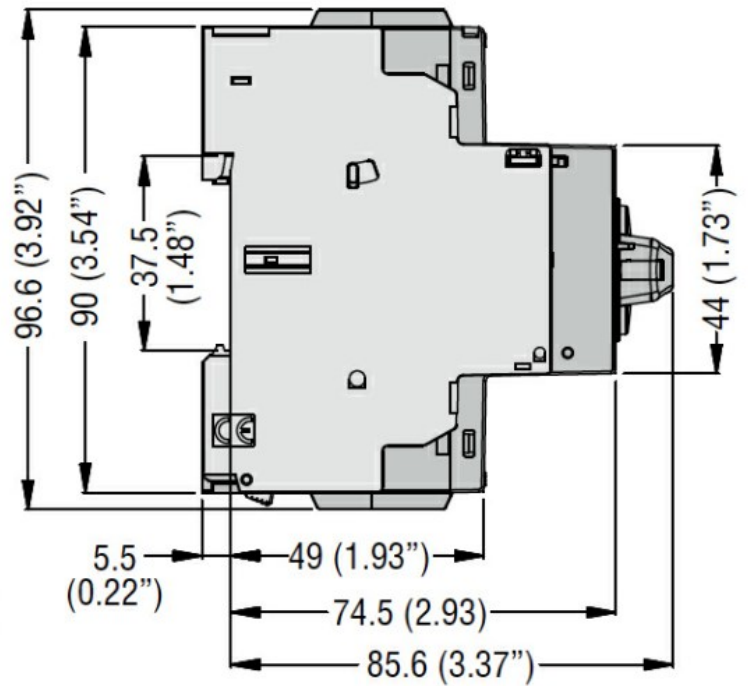
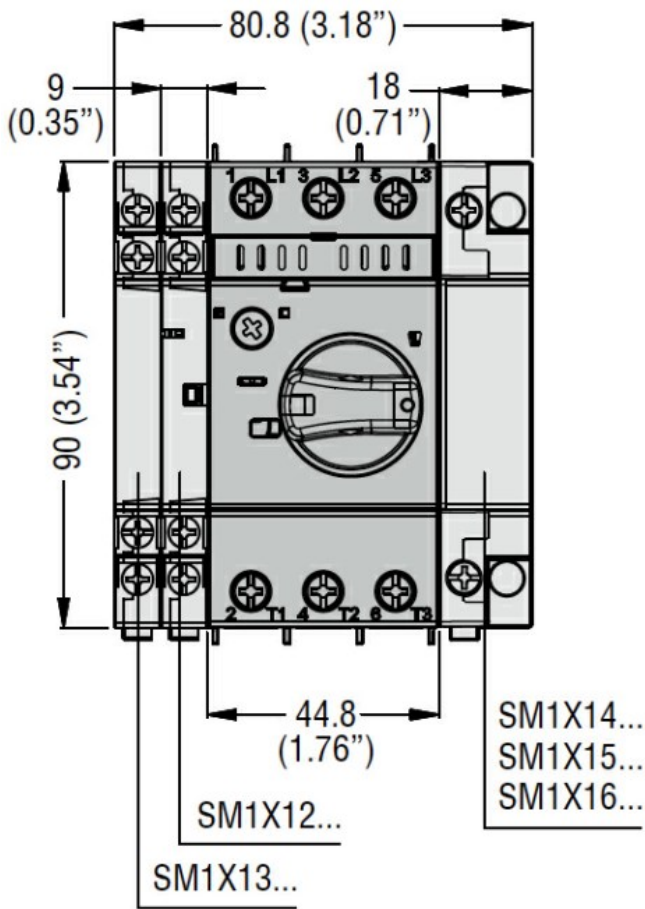




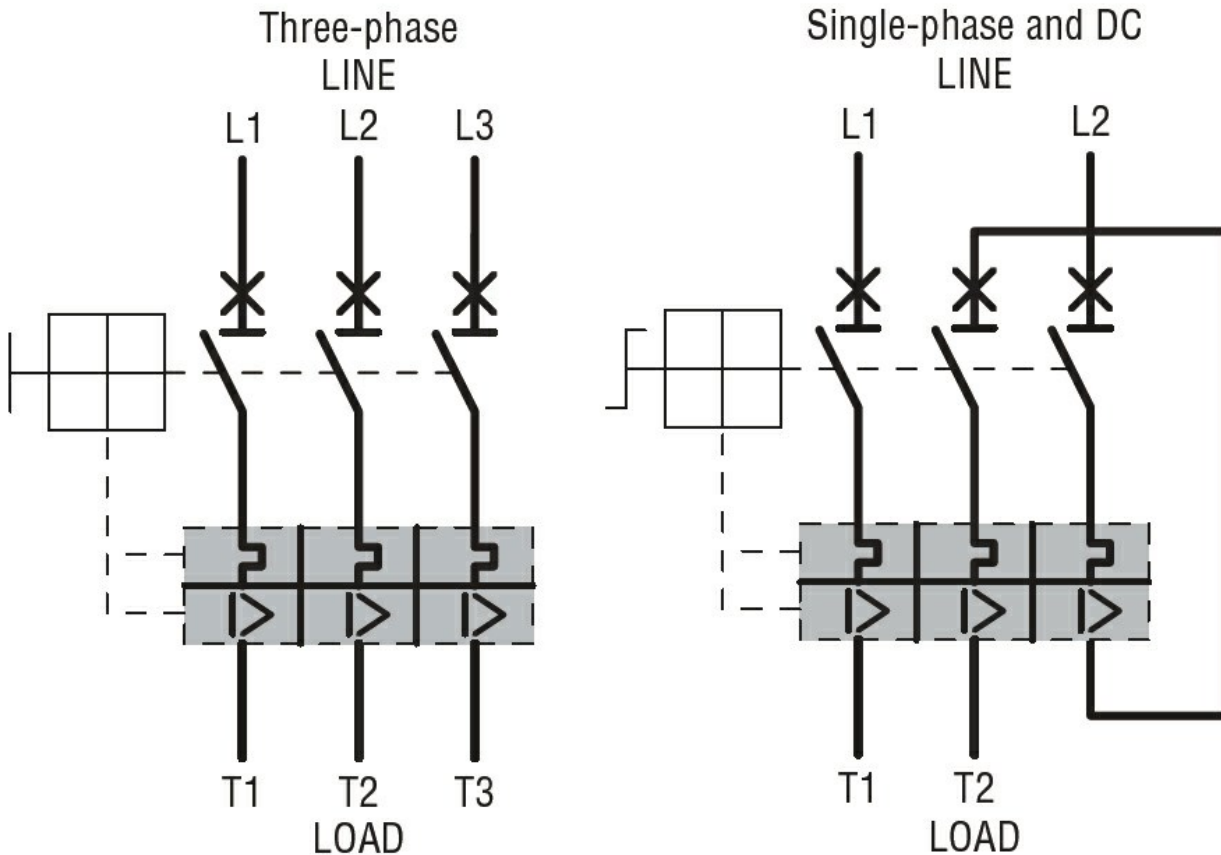
Product designation				Motor protection circuit breaker SM1RM	
Product type designation				SM1RM	
Electrical features					
Magnetic protection				yes	
Thermal protection				no	
Rated insulation voltage U_i IEC/EN	V			690	
Rated impulse withstand voltage U_{imp}	kV			6	
Rated frequency	Hz			50/60	
Rated current (I_n)	A			2.5	
Magnetic tripping				$13 \times I_n$	
Power dissipation per pole	min	W	0.67		
	max	W	1.63		
Operational short-circuit current breaking capacity (I_{cs}) at AC	230V	kA	100		
	400V	kA	100		
	440V	kA	100		
	500V	kA	100		
	690V	kA	10		
	Maximum short-circuit current breaking capacity (I_{cu}) at AC	230V	kA	100	
400V		kA	100		
440V		kA	100		
500V		kA	100		
690V		kA	10		
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		
Conductor section	AWG/Kcmil	min	16		
		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
Cable stripping length				
	main circuit	mm		12
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		allowable		Any
Fixing				Screw / DIN rail 35mm
Weight			g	320
UL technical data				
Motor Disconnect				
		at 480V	kA	30
		at 600V	kA	30
		protection		Fuse or CB
Group Motor Installation				
		at 480V	kA	30
		at 600V	kA	30
		protection		Fuse or CB
Tap Conductor Protection				
		at 480Y/277V	kA	30
		at 600Y/347V	kA	30

Dimensions



Wiring diagrams



Certifications and compliance

Certifications

CSA C22.2 n° 60947-4-1

IEC/EN 60947-1

IEC/EN 60947-2

IEC/EN 60947-4-1

UL60947-4-1

Compliance

cULus

EAC

ETIM classification

ETIM 8.0

EC000074 -
Motor protection
circuit-breaker