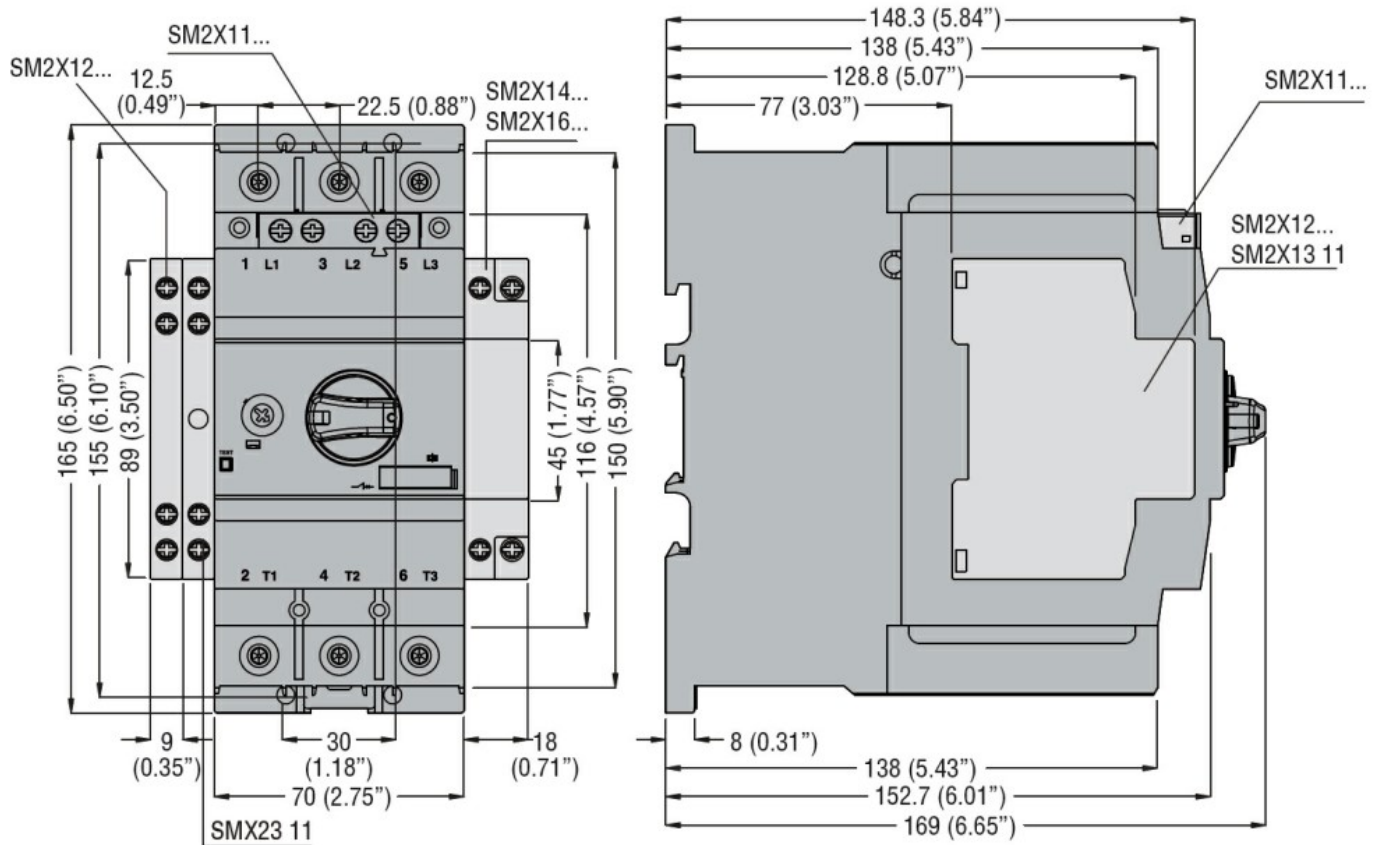




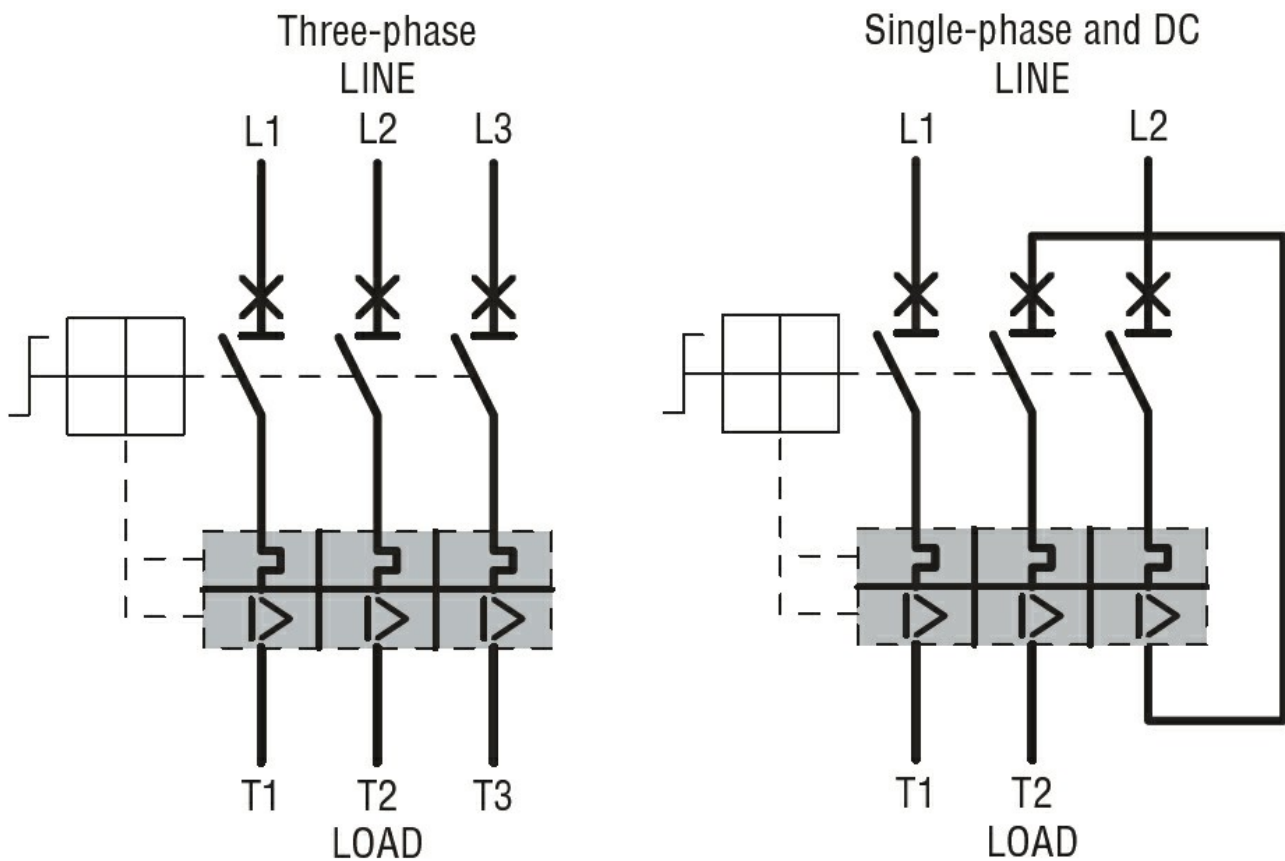
Electrical features			
Number of poles	Nr.	3	
Magnetic protection		yes	
Thermal protection		yes	
Phase failure detection		yes	
Rated insulation voltage $U_i$ IEC/EN	V	1000	
Rated impulse withstand voltage $U_{imp}$	kV	6	
Rated frequency	Hz	50/60	
Thermal trip adjustment range		70...90	
Rated current ( $I_n$ )	A	90	
Magnetic tripping		13 x $I_n$	
Power dissipation per pole	max	W	7
Operational short-circuit current breaking capacity ( $I_{cs}$ ) at AC			
	230V	kA	100
	400V	kA	38
	440V	kA	30
	500V	kA	6
	690V	kA	4
Maximum short-circuit current breaking capacity ( $I_{cu}$ ) at AC			
	230V	kA	100
	400V	kA	50
	440V	kA	40
	500V	kA	8
	690V	kA	5
Tripping class		10A	
IEC Utilization category		A	
Operations			
Mechanical life		cycles	50000
Electrical life		cycles	25000
Mechanical features			
Tightening torque for terminals			
	min	Nm	4.5
	max	Nm	4.5
	min	lbin	4.4
	max	lbin	4.4
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	min	12	
	max	1/0	
Flexible c/w lug conductor section			
	min	mm <sup>2</sup>	10
	max	mm <sup>2</sup>	50
Flexible with insulated spade lug conductor section			

	min	mm <sup>2</sup>	10
	max	mm <sup>2</sup>	50
Screwdriver			Allen 4mm
Power terminal protection according to IEC/EN 60529			IP20
Cable stripping length	main circuit	mm	1
<b>Ambient conditions</b>			
Temperature			
	Operating temperature		
	min	°C	-20
	max	°C	+70
	Storage temperature		
	min	°C	-50
	max	°C	+80
	Compensation temperature		
	min	°C	-50
	max	°C	+40
Max altitude		m	3000
Operating position	normal allowable		Vertical plan Any
Fixing			Screw / DIN rail 35mm
Weight		g	2200
<b>UL technical data</b>			
Motor Disconnect			
	at 480V	kA	40
	at 600V	kA	10
	protection		Fuse or CB
Group Motor Installation			
	at 480V	kA	40
	at 600V	kA	10
	protection		Fuse or CB
Tap Conductor Protection			
	at 480Y/277V	kA	40
	at 600Y/347V	kA	10
UL508 / UL 60947-4-1 Manual Self Protected Combination Motor Controller (Type E) Short circuit current			
	at 240V	kA	100
	at 480Y/277V	kA	40
Maximum UL/CSA horsepower ratings single-phase			
	110V-120V	HP	7½
	220V-240V	HP	20
Maximum UL/CSA horsepower ratings three-phase, 3-pole			
	200V-208V	HP	25
	220V-240V	HP	30
	440V-480V	HP	60
	550V-600V	HP	75

**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 classification

ETIM 8.0

EC000074 -  
Motor protection  
circuit-breaker