SM1P0040

MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 100KA AT 400V, 0.25...0.4A

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 Ui		V	690
Rated impulse withstand voltage Uimp		kV	6
Rated frequency		Hz	50/60
Thermal trip adjustment range			0,25…0,4
Rated current (In)		A	-
Magnetic tripping			13 x In
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
Operations			
Mechanical life		Cycles	100,000
Electrical life		Cycles	100,000
Mechanical feautures			
Tightening torque for terminals			
	min	Nm	3
	max	Nm	3
	min	lbft	2
	max	lbft	2
max number of wires simultaneously connectable		nr.	2
Conductor section			
AWG			
	min		16
	max		8
Flexible w/o lug conductor section			
	min	mm²	1
	max	mm²	10
Flexible c/w lug conductor section			
	min	mm²	1

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		max	mm²	10
	Flexible with insulated spade lug conductor section			
		min	mm²	1
		max	mm²	10
Screwdriver				PH2
Power terminal protection according to IEC/EN 60529				IP20
Cable stripping lenght				
		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
Operating position				
		normal		Su piano verticale
		allowable		Qualsiasi
Mounting				A vite / profilato omega 35mm
Weight			g	280
UL technical data				
UL508 / UL60947-4-1 Manual Motor Controller - Short circuit current				
Motor Disconnect				
		at 240V	kA	50
		at 480V	kA	50
		at 600V	kA	50
		protection		Fuse or CB
Group Motor Installation				
		at 240V	kA	50
		at 480V	kA	50
		at 600V	kA	50
		protection		Fuse or CB
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				
		at 110V-120V	hp	1
		at 220V-240V	hp	2
Maximum UL/CSA horsepower ratings three-phase, 3-pole				
		at 200V-208V	hp	3
		at 220V-240V	hp	3
		at 440V-480V	hp	10
		at 550V-600V	hp	-

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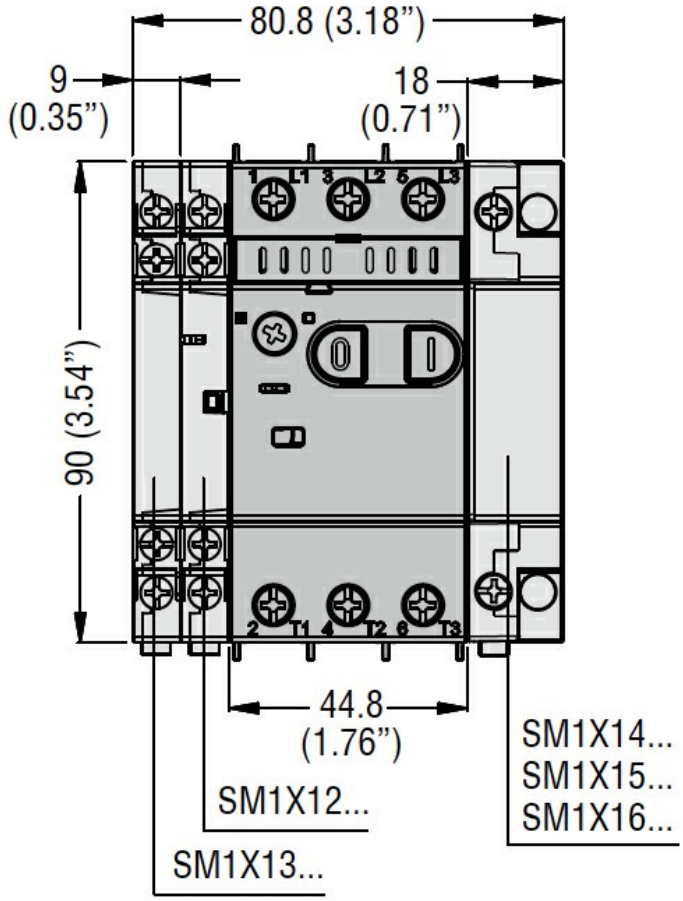
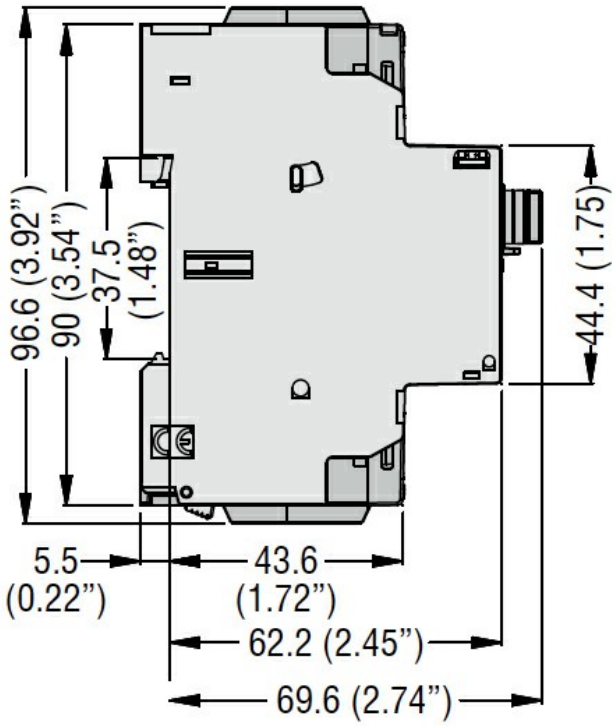
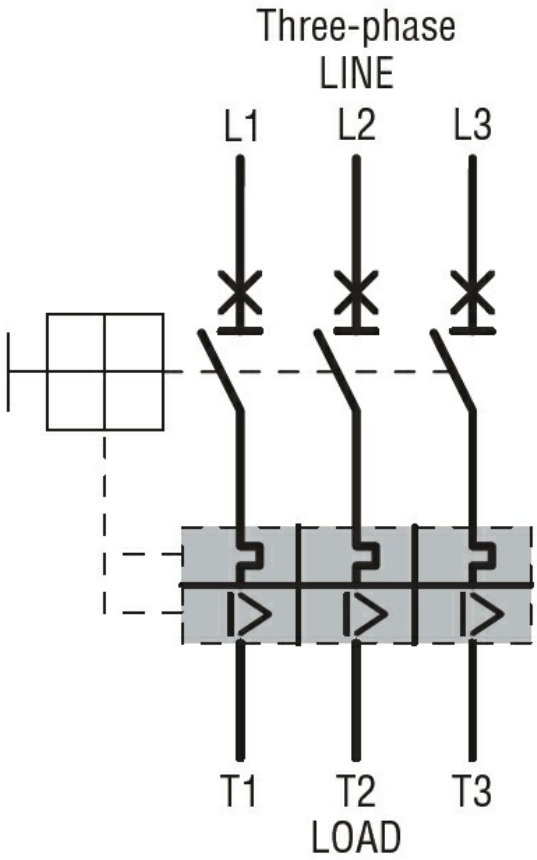
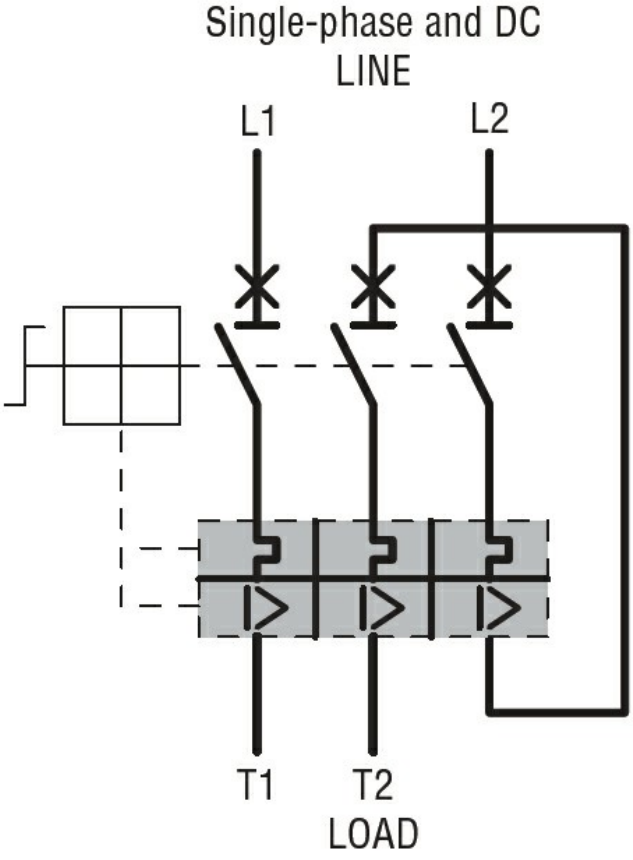
Dimensions





Wiring diagrams





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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

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