



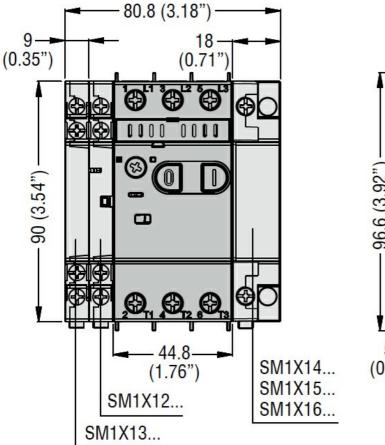
Product designation			Motor protection
Product type designation			circuit breaker SM1P
Electrical features			SIVITI
Number of poles		Nr.	3
Magnetic protection		INI.	yes
Thermal protection			yes
Phase failure detection			yes
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Rated frequency		Hz	50/60
Thermal trip adjustment range		1 12	1723
Rated current (In)		Α	23
		^	13 x ln
Magnetic tripping  Power dissipation per pole			13 X III
Power dissipation per pole	min	14/	1.06
	min	W	1.86 3.41
Operational short aircuit current breaking conscitu (los) at AC	max	VV	3.41
Operational short-circuit current breaking capacity (Ics) at AC	2201/	LΔ	50
	230V	kΑ	50
	400V 440V	kΑ	5
	500V	kA kA	5 5
	690V	kA kA	2
Maximum abort aircuit aurrent breaking capacity (lau) at AC	090 V	KA	
Maximum short-circuit current breaking capacity (Icu) at AC	2201/	LεΛ	E0
	230V 400V	kA kA	50 15
	440V		10
		kΑ	
	500V	kΑ	10
Trianing along	690V	kA	2
Tripping class			10A
IEC Utilization category			Α
Operations		a alaa	100000
Mechanical life		cycles	100000
Electrical life		cycles	100000
Mechanical features			
Tightening torque for terminals		NI	0.5
	min	Nm	2.5
	max	Nm	3
	min	lbin	22
	max	Ibin	26.5
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	min		16
	max		8

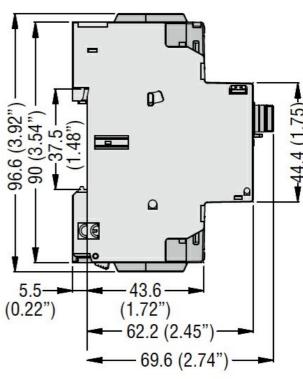


	Flexible w/o lug conductor section				
		min	mm²	1	
		max	mm²	10	
	Flexible c/w lug conductor section				
		min	mm²	1	
		max	mm²	10	
	Flexible with insulated spade lug conductor section				
		min	mm²	1	
		max	mm²	10	
Screwdriver				PH2	
	tion according to IEC/EN 60529			IP20 on front	
Cable stripping lenght					
		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					
		normal		Vertical plan	
		allowable		Any	
Fixing				Screw / DIN rail 35mm	
Weight			g	350	
UL technical data					
Motor Disconnect					
		at 240V	kA	5	
		at 480V	kA	5	
		protection		Fuse or CB	
Group Motor Installatio	n				
		at 240V	kA	5	
		at 480V	kA	5	
		protection		Fuse or CB	
Tap Conductor Protect	tion				
		at 480Y/277V	kA	50	
		at 600Y/347V	kA	50	
Maximum UL/CSA hors	sepower ratings single-phase		,		
		110V-120V	HP	1.5	
		220V-240V	HP	3	
Maximum UL/CSA horsepower ratings three-phase, 3-pole					
		200V-208V	HP	5	
		220V-240V	HP	7.5	
Discoursian		440V-480V	HP	15	
Dimensions					

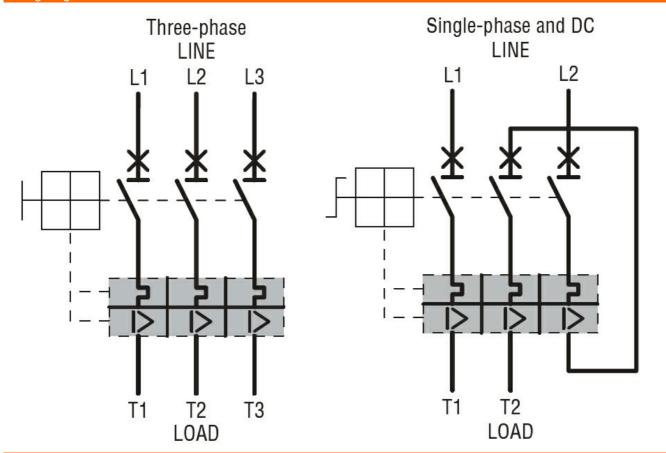


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## Wiring diagrams









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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