



Product designation			Motor protection circuit breaker
Product type designation  Electrical features			SM1P
Number of poles		Nr.	3
Magnetic protection		1 111	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			1723
Rated current (In)		Α	23
Magnetic tripping		- , ,	13 x ln
Total power dissipation		W	3.41
Operational short-circuit current breaking capacity (Ics) at AC			
operational effect effects broating expansity (100) at 710	230V	kA	50
	400V	kA	5
	440V	kA	5
	500V	kA	5
	690V	kA	2
Maximum short-circuit current breaking capacity (Icu) at AC			
	230V	kA	50
	400V	kA	15
	440V	kA	10
	500V	kA	10
	690V	kA	2
Tripping class			10A
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	1.8
	max	lbin	2.2
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

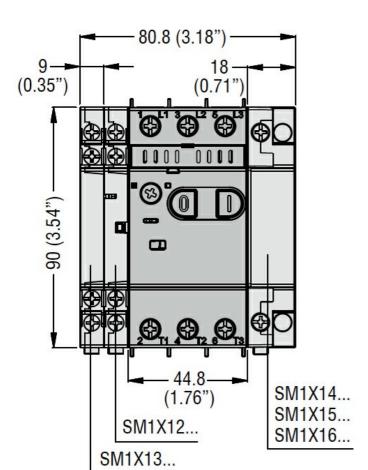


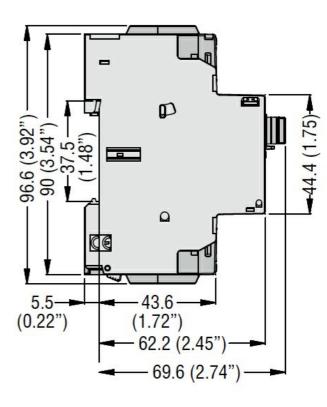
Flexible c/w lug conductor section			
·	min	mm²	1
Flexible with insulated spade lug conductor section			
	min	mm²	1
Screwdriver			PH2
Power terminal protection according to IEC/EN 60529			IP20
Cable stripping lenght			
	main circuit	mm	1
Ambient conditions			

Cable stripping lengh				
A mala i a mata a a malisti a ma	main circuit	mm	1	
Ambient conditions				
Temperature	Operating 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 Installation			_	
	at 240V	kA	5	
	at 480V	kA	5 5	
Ton Conductor Proto	protection		Fuse or CB	
Tap Conductor Prote	at 480Y/277V	kA	50	
	at 4601/277V at 600Y/347V	kA kA	50	
UL508 / UL 60947-4-1 Manual Self Protected Combination Motor Controller (Type E) Short circuit current				
320007 32 000-17 4	at 240V	kA	50	
	at 480Y/277V	kA	50	
	at 600Y/347V	kA	50	
Maximum UL/CSA ho	orsepower ratings single-phase			
	110V-120V	HP	1.5	
	220V-240V	HP	3	
Maximum UL/CSA ho	orsepower ratings three-phase, 3-pole			
	200V-208V	HP	5	
	220V-240V	HP	7.5	
	440V-480V	HP	15	
Dimensions				

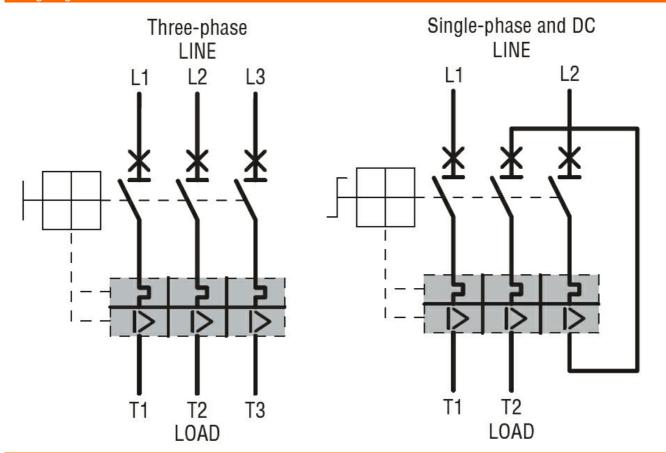
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and	
functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually bindin	g







## Wiring diagrams







Motor protection circuit breaker, IEC breaking capacity Icu 15kA at 400V, 17...23A

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