

MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 100KA AT 400V, 0.4...0.63A



Product designation				SM1P
Product type designat	tion			Motor protective
				circuit breaker
Electrical features				
Number of poles			nr.	3
Magnetic protection				Yes
Thermal protection				Yes
Phase failure detection				Yes
Rated insulation voltage			V	690
Rated impulse withsta	and voltage Uimp		kV	6
Rated frequency			Hz	50/60
Thermal trip adjustme	nt range			0,40,63
Rated current (In)			Α	1
Magnetic tripping				13 x ln
	uit current breaking capacity (Ics) at AC			-
•	0 , , ,	230V	kA	100
		400V	kA	100
		440V	kA	100
		500V	kA	100
		690V	kA	100
Maximum short-circuit	t current breaking capacity (Icu) at AC			
	to an area and a appearant, (really are re-	230V	kA	100
		400V	kA	100
		440V	kA	100
		500V	kA	100
		690V	kA	100
Operations		0301	10.1	100
Mechanical life			Cycles	100,000
Electrical life			Cycles	100,000
Mechanical feautures			Cyclod	100,000
Tightening torque for t	terminals			
rigintorning torquo for	ion maio	min	Nm	3
		max	Nm	3
		min	lbft	2
		max	lbft	2
may number of wires	simultaneously connectable	max	nr.	2
Conductor section	Simultaneously connectable		111.	
Conductor Section	AWG			
	AVV	min		16
				8
	Flexible w/o lug conductor section	max		<u> </u>
	Flexible w/o lug conductor section	ma:-a	mm²	1
		min	mm²	1
	Flavible alimina and distant a setting	max	mm²	10
	Flexible c/w lug conductor section		m == 2	4
		min	mm²	1

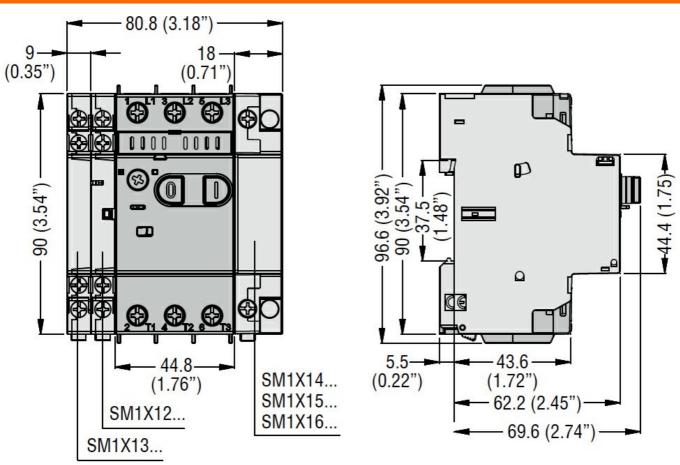


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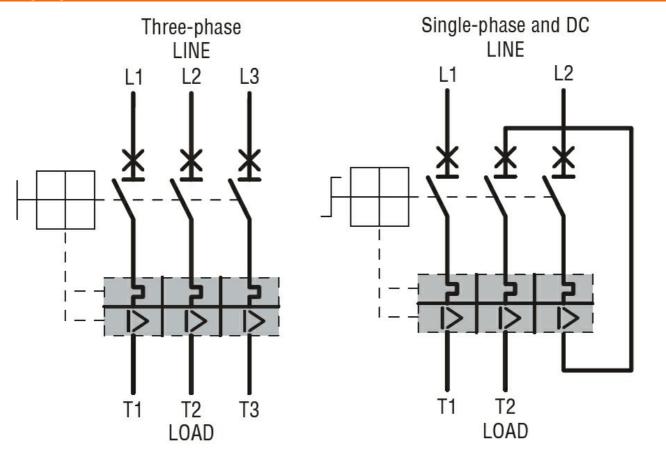
	max	mm²	10
	Flexible with insulated spade lug conductor section	111111	10
	min	mm²	1
	max	mm²	10
Screwdriver			PH2
Power terminal prot	tection according to IEC/EN 60529		IP20
Cable stripping leng			
	main circuit	mm	1
Ambient conditions			
Temperature			
	Operating temperature		
	min	°C	-20
	max	°C	60
	Storage temperature		
	min	°C	-50
	max	°C	80
	Compensation temperature	<u>.</u> .=	
	min	°C	-20
	max	°C	50
Max altitude		m	3,000
Operating position			
	normal		Su piano verticale
	allowable		Qualsiasi
Mounting			A vite / profilato
Majaht			omega 35mm
Weight UL technical data		g	280
	-1 Manual Motor Controller - Short circuit current		
Motor Disconnect	-1 Marida Motor Controller - Short Circuit Current		
WOLDI DISCOTTIECT	at 240V	kA	50
	at 480V	kA	50
	at 600V	kA	50
	protection	KΛ	Fuse or CB
Group Motor Installa			1 430 01 05
Croup Motor motalic	at 240V	kA	50
	at 480V	kA	50
	at 600V	kA	50
	protection		Fuse or CB
Tap Conductor Prot	•		
1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	at 480Y/277V	kA	50
	at 600Y/347V	kA	50
UL508 / UL 60947-4	4-1 Manual Self Protected Combination Motor Controller (Type E) Short		
	at 240V	kA	50
	at 480Y/277V	kA	50
	at 600Y/347V	kA	50
Maximum UL/CSA ł	horsepower ratings single-phase		
	at 110V-120V	hp	1
	at 220V-240V	hp	2
Maximum UL/CSA h	horsepower ratings three-phase, 3-pole	· · ·	
	at 200V-208V	hp	3
	at 220V-240V	hp	3
	at 440V-480V	hp	10
	at 440V-480V at 550V-600V	hp hp	10 -

ENERGY AND AUTOMATION

Dimensions



Wiring diagrams







ENERGY AND AUTOMATION

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Certifications and compliance				
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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 6 classification	on			