

## MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 100KA AT 400V,



Product designation Product type designation				Motor protective circu breaker SM1P
Electrical features				J
Number of poles			nr.	3
Magnetic protection				yes
Thermal protection				yes
Phase failure detection				Yes
Rated insulation voltage U	Ji IEC/EN		V	690
Rated impulse withstand			kV	6
Rated frequency	- Strange Gillip		Hz	50/60
Thermal trip adjustment ra	ange		112	11.6
Rated current (In)	ango		A	1.6
Magnetic tripping			Α	13 x In
			14/	
Total power dissipation	and the self-reading and the fleet of AO		W	2.30
Operational short-circuit c	urrent breaking capacity (Ics) at AC			
		230V	kA	100
		400V	kA	100
		440V	kA	100
		500V	kA	100
		690V	kA	100
Maximum short-circuit cur	rent breaking capacity (Icu) at AC			
		230V	kA	100
		400V	kA	100
		440V	kA	100
		500V	kA	100
		690V	kA	100
ripping class		030 V	10.1	10A
ripping class				A
EC Utilization category				A
Operations				
Mechanical life			cycles	100000
Electrical life			cycles	100000
Mechanical features				
Fightening torque for term	inals			
		min	Nm	2.5
		max	Nm	3
		min	Ibin	1.8
		max	lbin	2.2
Max number of wires simu	ultaneously connectable		nr.	2
Conductor section	•			
	AWG/Kcmil			
	7 (W G/TCHIII	min		16
				8
	Fig. 9.1 /s Long and Joseph and Co.	max		0
	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
	according to IEC/EN 60529			IP20
Cable stripping lenght	<b>V</b> · · · · · · · · · · · · · · · · · · ·			-
5 0		main circuit	mm	1
mbient conditions		main circuit	11/1111	
emperature				
	Operating temperature			
		min	°C	-20
		max	°C	60
	Storage temperature			
		min	°C	-50
		max	°C	80
	Compensation temperature			
	'F	min	°C	-20
		max	°C	50
Aox altituda		IIIdA		
Max altitude			m	3000



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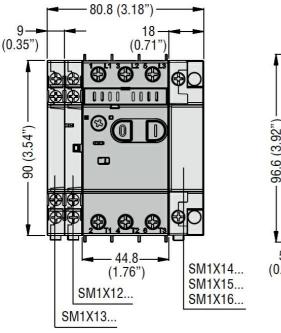
Operating position			
	normal		Vertical plan
	allowable		Any
Fixing			Screw / DIN rail 35mm
Weight		g	280
UL technical data			
UL508 / UL60947-4-1 Manual Motor Controller - Short circuit current			
Motor Disconnect			
	at 240V	kA	50
	at 480V	kA	50
	at 600V	kA	50
	protection		Fuse or CB
Group Motor Installation			
	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

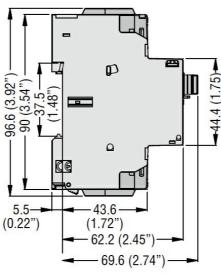
UL508 / UL 60947-4-1 Manual Self Protected Combination Motor Controller (Type E) Short circuit curren

UL508 / UL 60947-4-1 Manual Self Protected Combination Motor (Controllers (Type E) Short-circuit cur UL508 / UL 60947-4-1 Manual Self Protected Combination Motor (Controllers (Type E) Short-circuit cur UL508 / UL 60947-4-1 Manual Self Protected Combination Motor (Controllers (Type E) Short-circuit cur

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Maximum UL/CSA horsepower ratings single-phase			_
	at 110V-120V	hp	-
	at 220V-240V	hp	1/10
Maximum UL/CSA horsepower ratings three-phase, 3-pole			
	at 200V-208V	hp	-
	at 220V-240V	hp	-
	at 440V-480V	hp	3/4
	at 550V-600V	qd	1

## Dimensions

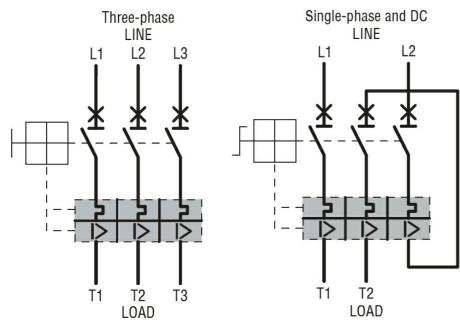




Wiring diagrams

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## MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 100KA AT 400V,



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