

Product designation

SM1P1400 MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 25KA AT 400V, 9...14A



Motor protective circuit breaker SM1P

Troduct designation				breaker
Product type designation				SM1P
Electrical features				
Number of poles			nr.	3
Magnetic protection				yes
Thermal protection				yes
Phase failure detection				yes
Rated insulation voltage Ui	IEC/EN		V	690
Rated impulse withstand vo	oltage Uimp		kV	6
Rated frequency			Hz	50/60
Thermal trip adjustment ran	nge			914
Rated current (In)			А	14
Magnetic tripping				13 x In
Total power dissipation			W	2.73
Operational short-circuit cu	rrent breaking capacity (Ics) at AC			
		230V	kA	100
		400V	kA	12.5
		440V	kA	5
		500V	kA	5
		690V	kA	3
Maximum short-circuit curre	ent breaking capacity (Icu) at AC			
		230V	kA	100
		400V	kA	25
		440V	kA	10
		500V	kA	10
		690V	kA	3
Breaking capacity short-circ	cuit current (Icn) at DC			
		150V	kA	0
		300V	kA	0
		450V	kA	0
Tripping class				10A
IEC Utilization category				А
Operations				
Mechanical life			cycles	100000
Electrical life			cycles	100000
Mechanical features				
Tightening torque for termin	nals			
		min	Nm	2.5
		max	Nm	3
		min	lbin	1.8
		max	lbin	2.2
Max number of wires simul	taneously 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 a	according to IEC/EN 60529			IP20
Cable stripping lenght				
		main circuit	mm	1
Ambient conditions				
Temperature				
	Operating temperature			
	opolating tempolatino			20
	opolating tompolatio	min	°C	-20
		min max	°C °C	-20 60
	Storage temperature			

°C

max

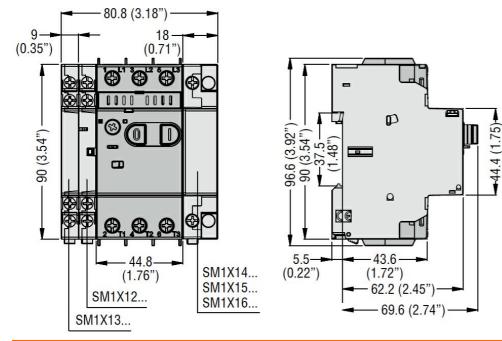
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Compensation temperature		
min	°C	-20
max	°C	50
Max altitude	m	3000
Operating position		
normal		Vertical plan
allowable		Any
ïxing		Screw / DIN rail 35mm
Veight	g	350
JL technical data		
JL508 / UL60947-4-1 Manual Motor Controller - Short circuit current		
Notor Disconnect		
at 240V	kA	30
at 480V	kA	30
at 600V	kA	30
protection		100A class J
Group Motor Installation		
at 240V	kA	30
at 480V	kA	30
at 600V	kA	30
protection		100A class J
ap Conductor Protection		
at 480Y/277V	kA	50
at 600Y/347V	kA	50
IL508 / UL 60947-4-1 Manual Self Protected Combination Motor Controller (Type E) Short circuit current		
UL508 / UL 60947-4-1 Manual Self Protected Combination I	Motor KA onti	oller5(Crype E) Short-circuit
UL508 / UL 60947-4-1 Manual Self Protected Combination I	Motor KR onti	roller5(Crype E) Short-circuit
UL508 / UL 60947-4-1 Manual Self Protected Combination I	Motor Koonti	roller5(0Type E) Short-circuit

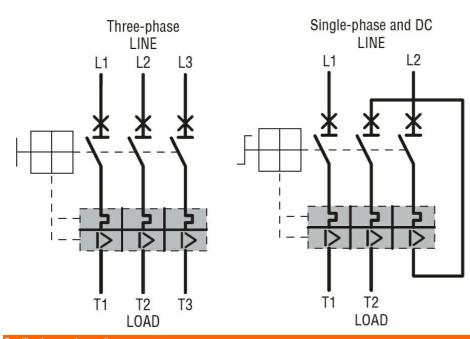
Maximum UL/CSA horsepower ratings single-phase			
	at 110V-120V	hp	3/4
	at 220V-240V	hp	2
Maximum UL/CSA horsepower ratings three-phase, 3-pole			
	at 200V-208V	hp	3
	at 220V-240V	hp	3
	at 440V-480V	hp	10
	at 550V-600V	hp	10
Dimensions			



Wiring diagrams



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Certifications and complia	
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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	

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