

MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 50KA AT 400V, 20...25A



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Product designation				Motor protective circuit breaker
Product type designati	on			SM1R
Electrical features				
Number of poles			nr.	3
Magnetic protection				yes
Thermal protection				yes
Phase failure detection	1			Yes
Rated insulation voltag	e Ui IEC/EN		V	690
Rated impulse withstar	nd voltage Uimp		kV	6
Rated frequency			Hz	50/60
Thermal trip adjustmer	it range			2025
Rated current (In)			А	25
Magnetic tripping				13 x In
Total power dissipation			W	2.83
Operational short-circu	it current breaking capacity (Ics) at AC			
		230V	kA	100
		400V	kA	25
		440V	kA	5
		500V	kA	5
		690V	kA	2
Maximum short-circuit	current breaking capacity (Icu) at AC			
		230V	kA	100
		400V	kA	25
		440V	kA	50
		500V	kA	10
		690V	kA	4
Tripping class				10A
IEC Utilization category	у			А
Operations				
Mechanical life			cycles	100000
Electrical life			cycles	100000
Mechanical features				
Tightening torque for te	erminals			
		min	Nm	2.5
		max	Nm	3
		min	Ibin	1.8
		max	Ibin	2.2
Max number of wires s	imultaneously connectable		nr.	2
Conductor section	-			
	AWG/Kcmil			
		min		16
		max		8

SM1R2500

1

mm²

min



ovato

electric

ENERGY AND AUTOMATION

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	Flexible c/w lug conductor section			
		min	mm²	1
	Flexible with insulated spade lug conductor section	on		
		min	mm²	1
Screwdriver				PH2
Power terminal pro	otection according to IEC/EN 60529			IP20
Cable stripping len	nght			
		main circuit	mm	1
Ambient conditions	S			
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 rai 35mm
Weight			g	390
UL technical data	the second s		9	000
Motor Disconnect				
		at 480V	kA	30
		at 600V	kA	30
		protection	1//7	200A class J
Group Motor Instal	lation	proteotion		2007 01000 0
		at 480V	kA	30
		at 600V	kA	30
		protection	N/1	200A class J
Maximum LIL /CSA	horsepower ratings single-phase	protection		2007 01233 0
	norsepower raunys single-phase	110V-120V	HP	2
		220V-240V	пР HP	2 3
	horsepower ratings three-phase, 3-pole	220V-240V	ΠF	ა
waximum UL/CSA	norsepower raungs intee-priase, s-pole	2001/ 2001/	ЦΠ	E
		200V-208V	HP	5
		220V-240V	HP	7.5
		440V-480V	HP	15
Dimensions		550V-600V	HP	20

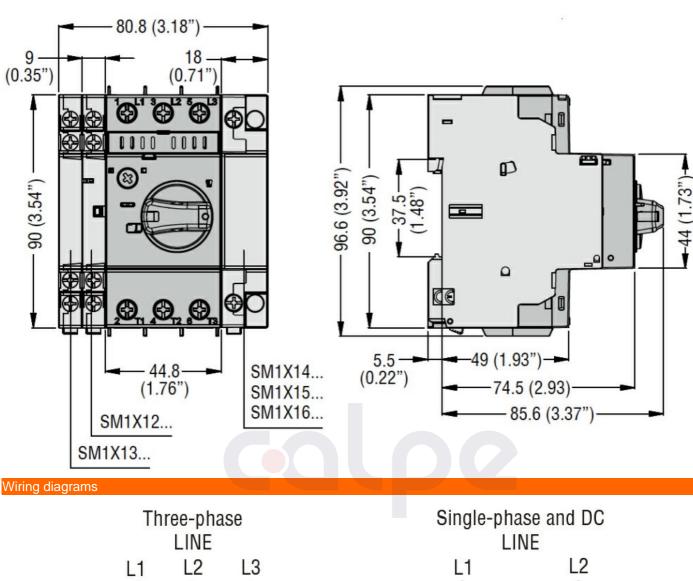
Dimensions

SM1R2500





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SM1R2500

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 binding

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Certifications and compliance

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# 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



