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Product designation				Motor protection circuit breaker
Product type designati	ion			SM1R
Electrical features Number of poles			Nr.	3
Magnetic protection			INI.	yes
Thermal protection				
Phase failure detection	0			yes
Rated insulation voltage			V	yes 690
Rated impulse withsta			kV	6
Rated frequency			Hz	50/60
			ΠΖ	
Thermal trip adjustmer	nt range		^	3040
Rated current (In)			Α	40
Magnetic tripping				13 x ln
Total power dissipation			W	6.12
Operational short-circu	uit current breaking capacity (Ics) at AC			
		230V	kA	100
		400V	kA	10
		440V	kA	5
		500V	kA	5
		690V	kA	2
Maximum short-circuit	current breaking capacity (Icu) at AC			
		230V	kA	100
		400V	kA	10
		440V	kA	20
		500V	kA	10
		690V	kA	4
Tripping class				10A
IEC Utilization categor	У			А
Operations				
Mechanical life			cycles	100000
Electrical life			cycles	100000
Mechanical features				
Tightening torque for to	erminals			
		min	Nm	2.5
		max	Nm	3
		min	lbin	22
		max	lbin	26.5
Max number of wires s	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		min		16
		max		8
	Flexible w/o lug conductor section	max		-
		min	mm²	1
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MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 20KA AT 400V,

SM1R4000

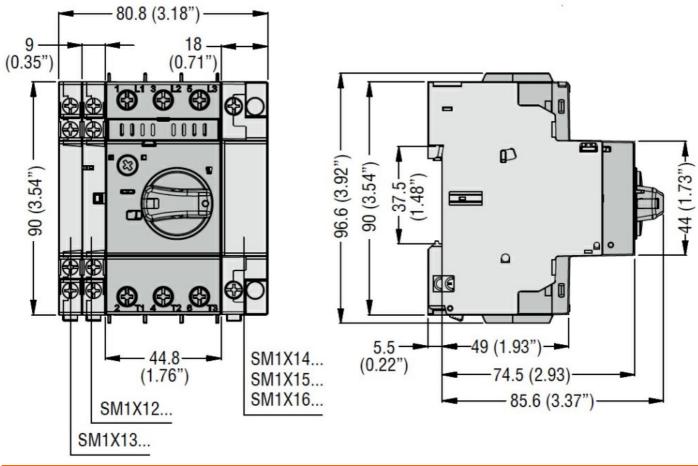
20	40/	Ś
30.	407	٩

	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 lengl	nt			
		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			
		min	°C	-20
		max	°C	+50
Max altitude			m	3000
Operating position				
1 01		normal		Vertical plan
		allowable		Any
				Screw / DIN ra
Fixing				35mm
Veight			g	390
JL technical data				
Motor Disconnect				
		at 480V	kA	30
		at 600V	kA	30
		protection		200A class J
Group Motor Installa	tion			
•		at 480V	kA	30
		at 600V	kA	30
			kA	30 200A class J
/laximum UL/CSA h	orsepower ratings single-phase	at 600V	kA	
/laximum UL/CSA h	orsepower ratings single-phase	at 600V protection		200A class J
/laximum UL/CSA h	orsepower ratings single-phase	at 600V protection 110V-120V	HP	200A class J 3
		at 600V protection		200A class J
	orsepower ratings single-phase orsepower ratings three-phase, 3-pole	at 600V protection 110V-120V 220V-240V	HP HP	200A class J 3 7.5
		at 600V protection 110V-120V 220V-240V 200V-208V	HP HP HP	200A class J 3 7.5 10
		at 600V protection 110V-120V 220V-240V	HP HP	200A class J 3 7.5

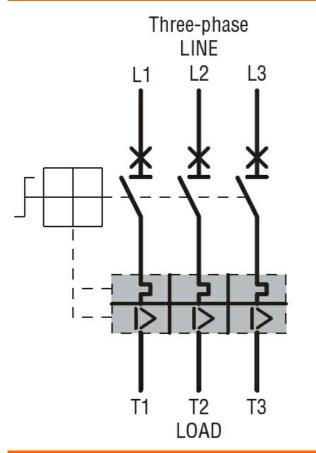
Dimensions

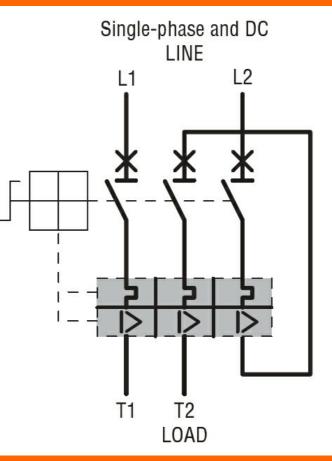


SM1R4000 MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 20KA AT 400V, 30...40A



Wiring diagrams





Certifications and compliance

SM1R4000

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



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		
		FC000074 -

ETIM 8.0

EC000074 -Motor protection circuit-breaker

SM1R4000