



Product designation			Motor protection circuit breaker
Product type designation Electrical features			SM1R
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 voltage Uimp		kV	6
Rated frequency		Hz	50/60
Thermal trip adjustment range		112	2432
Rated current (In)		A	32
Magnetic tripping		A	13 x ln
			13 X 111
Power dissipation per pole	min	W	2.49
		W	4.42
Operational short aircuit surrent brooking consoits (les) at AC	max	VV	4.42
Operational short-circuit current breaking capacity (Ics) at AC	2201/	1. 0	100
	230V	kA	100
	400V 440V	kA kA	25 5
	440V 500V	kA	5
	690V	kA kA	5 2
Maximum abort airquit aurrant brooking conceity (lou) at AC	6907	ĸA	2
Maximum short-circuit current breaking capacity (Icu) at AC	230V	kA	100
	230V 400V	кА kA	50
	400V 440V	kA kA	10
	500V	kA	10
	690V	kA	4
Tripping class	090 V	N/1	4 10A
IEC Utilization category			A
Operations			~
Mechanical life		cycles	100000
Electrical life			
Mechanical features		cycles	100000
Tightening torque for terminals	min	NIm	2.5
	min	Nm	
	max min	Nm Ibin	3 22
		Ibin	22 26.5
Max number of wires simultaneously connectable	max		20.5
Conductor section		Nr.	۷
AWG/Kcmil	min		16
	min		8
	max		0



SM1R3200 MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 50KA AT 400V, 24...32A

	Flexible w/o lug conductor section			
		min	mm²	1
		max	mm²	10
	Flexible c/w lug conductor section			
		min	mm²	1
		max	mm²	10
	Flexible with insulated spade lug conc			
		min	mm²	1
		max	mm²	10
Screwdriver				PH2
	tion according to IEC/EN 60529			IP20
Cable stripping lenght				
		main circuit	mm	12
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				
		normal		Vertical plan
		allowable		Any
Fixing				Screw / DIN rail
				35mm
Weight			g	390
UL technical data				
Motor Disconnect				
		at 480V	kA	30
		at 600V	kA	30
		protection		200A class J
UL technical data				
		up Motor Installation at 480V	kA	30
		up Motor Installation at 600V	kA	30
	Group	Motor Installation protection		200A class J
M				

Maximum UL/CSA horsepower ratings single-phase 110V-120V HP ΗP 220V-240V Maximum UL/CSA horsepower ratings three-phase, 3-pole 200V-208V HP 220V-240V HP 440V-480V ΗP 550V-600V ΗP

Dimensions

2

5

10

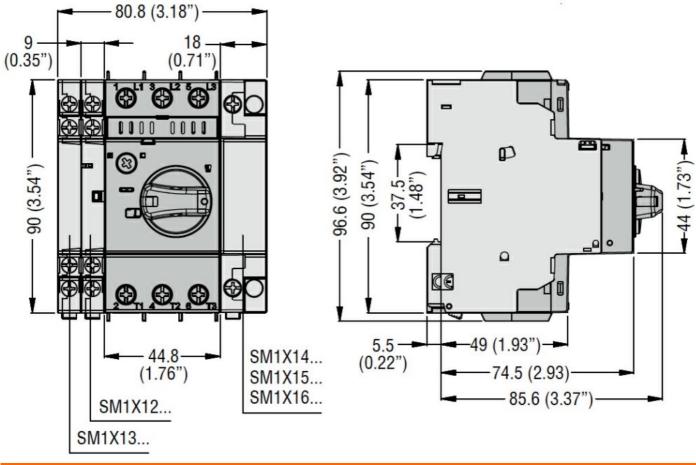
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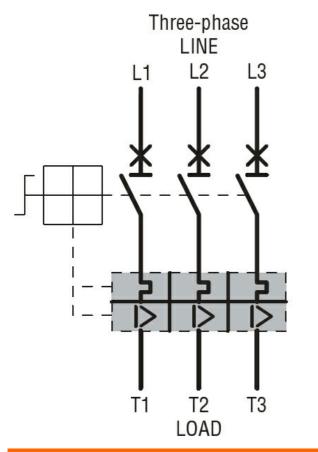
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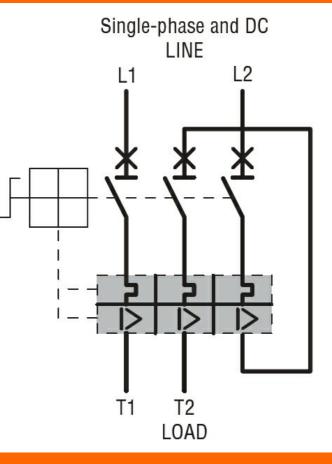


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Wiring diagrams





Certifications and compliance

SM1R3200

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		
		EC000074 -

ETIM 8.0

EC000074 -Motor protection circuit-breaker