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Product designation			Motor protection circuit breaker
Product type designation			SM1R
Electrical features		Nr.	3
Number of poles Magnetic protection		INI.	
Thermal protection			yes
			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			914
Rated current (In)		Α	14
Magnetic tripping			13 x In
Power dissipation per pole			
	min	W	1.13
	max	W	2.73
Operational short-circuit current breaking capacity (Ics) at AC			
	230V	kA	100
	400V	kA	100
	440V	kA	42
	500V	kA	42
	690V	kA	2
Maximum short-circuit current breaking capacity (Icu) at AC			
	230V	kA	100
	400V	kA	100
	440V	kA	100
	500V	kA	42
	690V	kA	4
Tripping class			10A
IEC Utilization category			A
Operations			
Mechanical life		cycles	100000
Electrical life		cycles	100000
Mechanical features		-,	
Tightening torque for terminals			
	min	Nm	2.5
	max	Nm	3
	min	Ibin	22
	max	Ibin	26.5
Max number of wires simultaneously connectable	max	Nr.	2
Conductor section			<u> </u>
AWG/Kcmil			
	min		16
			8
	max		0



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

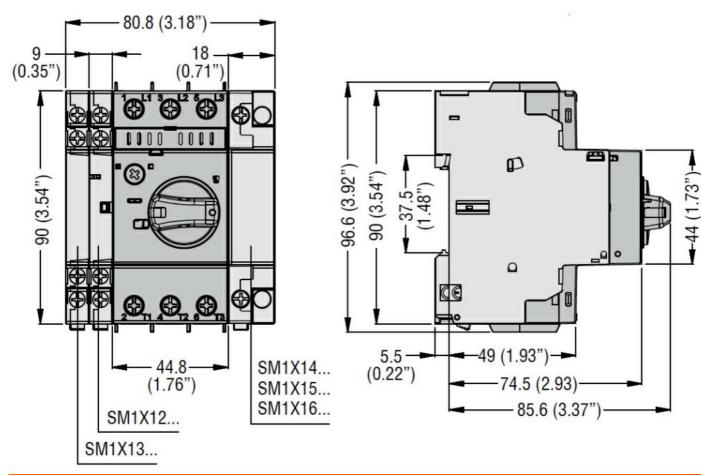
SM1R1400 9...14A

	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 conductor section		
	min	mm²	1
	max	mm²	10
Screwdriver			PH2
Power terminal prot	tection according to IEC/EN 60529		IP20
Cable stripping leng	yht		
	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
Eiving			Screw / DIN rai
Fixing			35mm
Weight		g	390
JL technical data			
Motor Disconnect			
	at 480V	kA	30
	at 600V	kA	30
	protection		200A class J
JL technical data			
	Group Motor Installation at 480V	kA	30
	Group Motor Installation at 600V	kA	30
	Group Motor Installation protection		200A class J
Maximum UL/CSA ł	horsepower ratings single-phase		
	110V-120V	HP	3/4
	220V-240V	HP	2
Maximum UL/CSA ł	horsepower ratings three-phase, 3-pole		
Maximum UL/CSA I	horsepower ratings three-phase, 3-pole 200V-208V	HP	3
Maximum UL/CSA ł		HP HP	3 3
Maximum UL/CSA ł	200V-208V		

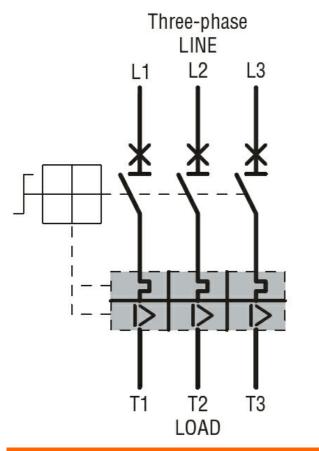
SM1R1400

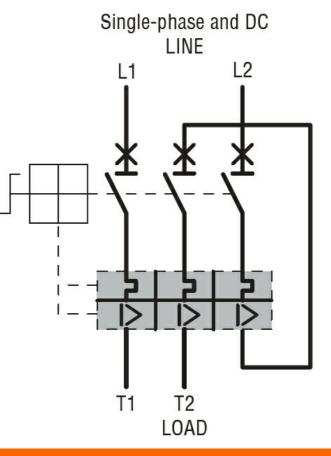


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Wiring diagrams





Certifications and compliance

SM1R1400

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



SM1R1400 MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 100KA AT 400V, 9...14A

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